

463

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 676
tgggggctct ggactgtggc tcacccgctt cctccacacc ctatttcacn ggcctggagc 60
tcccagggga ctngaagctg gacgcgccct acaacttcaa ccacccttty tccatcaaca 120
acctaagtgm agaacagaca ccagcacctc ccaaactgga cgtgggggttt kggggctacg 180
gggctgaagg tggggagcct ggagtctact accagggcct ctattcccgc tctttgctta 240
atgcatccta gcagggggtt ggaacatggt ggtgggtatg gctggagctc acaccacgaa 300
gctcttgggg cctgacccct ctggtgacac ttcacttgct ccattgggta acatctgggt 360
gggtctatta cttactgtga tgactgstgt ctcagtgggc atggtgttga tccacggggg 420
actgtgataa ccaccatgtg ccatgatggc tgctgcagcc ccgtgttggc catgtcgtca 480
ccattctctc tggcatgggt tgggtagggg atggaggtga gaatactcct tggttttctc 540
tgaagcccac cctttccccc aactctggtc caggagaaac cagaaaaggc tggttaggg 600
gtggggaatt tctactgaag tctgattctt tcccgggaag cgggggtactg gctgtcctta 660
atcattaaag gtaccgtgtc cgccctctaa aa 692

<210> 677
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 677
ttgatacgac tcaactatagg gaaagctggt acgcctgcag gtaccgggtcc ggaattcccc 60
ggctcgaccca cgcgtccgat tgttttgtat tttctagagt tttatataaa tgggaattaca 120
tagtatgtac ttttctttat agtctggctt ctttcaactca aataattatt ttgagattct 180
tctctgttgt tgcattgtata aataattcat tcattttttg tagtaatatc ccattatatg 240
ggatataccaa aatttatcat tcatttgctg atgagcattt gggttattta cagttttatt 300
tacaawtaaa gctgttacga atattagtgt acgagtcctt atatggacat atattntcat 360
tt 362

<210> 678
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (87)

464

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (326)

<223> n equals a,t,g, or c

<400> 678

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aggattcagg ctgcagaaca taagacacgg aaagacgaaa aacgcaaagc tgaggaagcc 60
ctcagtgacc tcagacgtca tatgaanctg naagtaggag atctgcaggt gaaccattaa 120
aaagctaaga aagctcgaag aacaatcaaa aygcgtaagt caaaaggaag atgtggctgc 180
attgaaaaaa caaatattatg atttatcaat ggaaaaccag aagttaagaa agacctttta 240
gaagcacaga caaacatagc ctttcttcag agtgagttag atgctttgaa aagtgrttat 300
gctgatcmga gtctgawtac tgaaanggat cttg                               334

```

<210> 679

<211> 613

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (601)

<223> n equals a,t,g, or c

<400> 679

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gcaggaaggg tagaggggac tggagttggc taagttctct ttctccaagt caggtaagac 60
tctggtgcag ctttttcctt tgggtggtctg gcctttattg tggaaaatgc tatgggttca 120
tttcaaaatg gctatctttc aaacctgagc atatttcaaa atagttactt ttttctgcc 180
catggtcaaa caagagagtt ttctctgtt cttcgccatg agaacctggt agggcatctg 240
aaggtaaaat ccgtgaatgt atgagggtctg cctttaactt aaacttgaaa cctcccagg 300

```

465

```

gattttatct cacaagcctg atcagtgttc aagytccaac agytaatcaa ttatcattta 360
agcattctta gctgctcatg cctccagcag tttcaaatcc tggcaaacta tgattctgtg 420
tatttgcccc tcgctccagt ttttggggca tgagtttttt tctgtaactt ctggtctctg 480
atggatctca gaaaattcat taattttcaa tttgtacatc ttttctcttg gtaggacagg 540
aatgatcatt tacaagctct ttatatgtca nagcccaaat canaagctgn aataatccca 600
naaattgggg ttt 613

```

<210> 680

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<400> 680

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ggaaccaggc tgtggtcctg acctccagca gctgccagtc atcttggcaa catagaaaat 60
caaggaaacg gcctaaaggc aggcagaagt gtgtgtcagc aaggccccaa ctatgtaaga 120
tggaacagag ggactcacct tcaggagagga aagagccggg gcagaacgctc aggagactgg 180
ccaaagggtcc ttccttgctt tcaggacgag actagactcc tcagtcctgc atttmaggct 240
cctgccaccc gcctgctgct cactgatccc tccctcccac tgtcggcctc catccagggtg 300
gcagtgcctg cgctttgtma ggctctctct tgtctctgca ttttgcacaa gctctgacct 360
anttaccgaa atgtnctnca accacctnca tcttgcattg 400

```

<210> 681

<211> 585

<212> DNA

<213> Homo sapiens

<400> 681

```

caaagggttt tctttgaaga caggtsaaat gctgttagta agtttcagga gattgttaat 60
tcttcagtta taccagattt tataaaatat ttgagaatag atggctaaca agagggttaga 120
aatacttttc cttaatttta atccacagta tgttacatgc attctaccac tacattttgg 180
tgctatttaa ggtgtgcamb tttctatagg tgacttttgc aattcagggg agatttggggc 240

```

466

```

atattaaatg aaagaatatc taattggggg aggtgtgaag ggaaagaaat tcttttcaaa 300
agctgaccac aaagagkagt taaaagtttt tgtcactatc ttcacaagtg tgtaaagcac 360
agatttcaac agagtgcttg gcatattgka ggggtgctcaa tgggtggkttt tattattatt 420
actcagattc cacagtggca agaaacatca ttctacataa tggaaaacat ttacatcaaa 480
tcccacttac tttaatgcga acttggagat aatttatggg attgtattgt aaaccattaa 540
tgaaaacttt ttcacagttg agtgaaatta aaatcactat atctc 585

```

<210> 682

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (576)

<223> n equals a,t,g, or c

<400> 682

```

ttgcagctat acaaaatatt taaaatctca agtattcacc ctagatagag ttattatcta 60
agcattttat cttatccatc tcaaaaagaa aagaaaagaa gactctgacc tgtactcttg 120
aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaaacttta atgaactaac 180
tgacagcttc atgaaactgt ccaccaagat caagcagaga aaataattaa tttcatggga 240
ctaaatgaac taatgaggat aatatttttca taattttttaa tttgaaattt tgctgattct 300
ttaaatgtct tgtttccag atttcaggaa actttttttc ttttaagcta tccacagctt 360
acagcaattt gataaaatat acttttgtga acaaaaattg agacatttac attttctccc 420
tatgtggtcg ctccagactt gggaaactat tcatgaatat ttatattgta tggtaatata 480
gttattgcac aagttcaata aaaatctgct ctttgtatra cagaatacat ttgaaaacmt 540
tggktatatt accaaaactt ttgactagaa tgtcgnattt gaggatataa acccataggt 600
aataaacccc 610

```

<210> 683

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<400> 683

467

```

tcatatTTTT antttttttt ttttctgtta tacaaagagc agattttttat tgaacttgtg 60
caataactat attaccatac aatataaata ttgcacaagt tcaataaaaa tctgctcttt 120
gtatgacaga atacatttga aaacattgggt tatattacca agactttgac tagaatgtcg 180
tatttgagga tataaaccca taggtaataa acccacaggt actacaaaca aagtctgaag 240
tcagccttgg tttggcttcc tagtgtcaat taaacttcta aaagtttaat ytgagattcc 300
ttataaaaaac ttccagcaaa gcaactttaa aaaagtctat gtggtcagtc actactcttg 360
ctgcagttat gaaaaanaat gangccaagt ctgatgaaaa taaacttatt ttgaa 415

```

<210> 684

<211> 653

<212> DNA

<213> Homo sapiens

<400> 684

```

ttagcttctc attgagattc ctagagggtgc gttcagagttt tcagagtaat tttccagacc 60
aaccagcgtc agtgggaaat ctgacctctt ttggcaaact gcgatcattc attttcctga 120
gtcccctgggt ggggtggggg aattctgcct caggaccctg aggggtcttt ggggcaagat 180
ggccttggtta atgcagccac taagaacagg acttcattca aaggcataat gaagtaacca 240
gggtgaccat caagtaaaat taaagcacia gatcattgta ggaggcttcc ttgtcaaaga 300
cgtgaacgtg ggattttcaa cgcaccacgg tgtgtccact catcactgca tgttaggaac 360
tgctgtctct ttgggacacg agttaaaaga acacactaat ttctggagtg tgctgcagc 420
ttcacggcct tcattttgtt actaagttat tttctggaag aacagcaaaa atttcagggt 480
gaaaacagaa ctttccaagt gctactgaaa ttccgcagag aattacgctg cgatgggtgg 540
tttcttacct tagaaacatc ctaacctgta tccacagaag atgtcctttt atttttttaa 600
aagatcaata aaatcaagag aaacgaaaaa aaaaaaaaaa aaaaaaaaaa aaa 653

```

<210> 685

<211> 319

<212> DNA

<213> Homo sapiens

<400> 685

```

gttcagcctc agcagcctg caccagggcg ctcattaaaa cagcatgttg ctccccactg 60
cctcgtgttg tctgttggtg cgctgtcggg gttcgaaccg atacaagaac cttccacctt 120
cctggtgctt tggcctcatc tataagcttt tccactgtcc tgaaacaaga tagaraatct 180
gagcggccag tcactctgcc taagtgtctc cgccgaagac tgaatgtcct ggaaagtgtg 240
ctgtcacatc tccattatga caaaagcatt gtgccgaaca gatgaaaaaa tgcattgtca 300
acggaatctt ttatgttag 319

```

<210> 686

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

468

<222> (260)

<223> n equals a,t,g, or c

<400> 686

```

gacctgtctg gacctgtata aaaatgtcta cacagtagaa gtgacatcaa ggtttaataa 60
gtatatcaat gattggcaca tataaaaatt gttgaaccac atactctgaa cttggctaata 120
ttagttactg caggcctcca ttatccagtt ttatttttta cacgrttgac cttgccttgg 180
agctggtgct gtgtagacct gtgttgraaa cacaatcgga atatatgaat aattgaataa 240
acagcattat ggngaggcan agacacatgg agaagtgtta a 281

```

<210> 687

<211> 178

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<400> 687

```

gctggtcagt gcagcccat tctgacatta ctatgaggtc ctggatatcc attccttggg 60
gaggaccagt aagacatctg ctccatccct ggaactggat aattttggaa nataaaccag 120
ggacctagcc aacagaatgc cttagcaatg cccaggggtc aatgggcgtg gcattctt 178

```

<210> 688

<211> 337

<212> DNA

<213> Homo sapiens

<400> 688

```

ggtaggaggc aaagcagtgg gtccctctca ccagccgctt acgggaccct gccatgcctg 60
gacctctcta tcaggaagac ctacccagc actactggaa aatcagccaa tcttaacca 120
aagatggcca tgatttctgt atgtgagacg tcttaagggt gtttttgttt gttttaatca 180
gccctcttgt ttgagatttg gcaatacatt tctgttttct argttatttc tgtgtctgat 240
ggtwgargat ctaataagta ttggaatgct tcctatttgc tgatagaakt accaaatagt 300
attattgaag tctaacaaag acttttgttg agaacac 337

```

<210> 689

<211> 1135

<212> DNA

<213> Homo sapiens

<400> 689

```

gccgaatagg tgtttctctc attgatgatg gaagtaatgc aacagagtaa gtaccattcc 60
aggagtgtct aaagccgagc tttgagtgtg catgattgat aggacttgaa gaataaaaaat 120
agaaacaatt gacctctcag gtgagaaagt cacacaaaac aagctactgt taaaagactg 180
aatattttta gttttctgtg aattatcagt tattttttcc agtctcctta gaaaaatggc 240
aacacagatg gttagctgcac agcttgcac aatgggtgtg aataacccaa gtcagcaaca 300
atztatgcaa tttggaggaa gctctggatc acagttgcct caaatccaga cagatgttgt 360
acttccatca tgcaaaaaaa aagctcctgc tgaaactcct gtgaaagaaa gactttttat 420

```

469

```

tgtgtttaat cctcatcctt tacctttaga cgtattagaa gatataattct gtcgttttgg 480
taacctgata gaagtttacc ttgtgtcagg aaaaaatgtg gggatatgcca agtatgccga 540
tagaataagt gctaataatg ccattgccac tctacatgga aagattctga atgggggtgag 600
acttaaagtt atgctggcag attcgccaag agaagaatct aacaaacggc aaagaactta 660
ctgattcttg agtggccctg aagctgcaat atgttgaggg tttccttgac taagagaacc 720
acatgcggca ttcagctcag tagggggagtc ataaaagatc tcgcctctga ccagaagagt 780
atgaatgaca aaggtgacat aaccagcaca gaaagatgtc ttagcctctg cacatcagct 840
gatttagaat acttatgtag atagcgggtg gggtcggggg ggtscggaat gttcttttca 900
gcttctttgc ccygagaact ttgatcttat tgcaaggaag tcccttacct tcttctacct 960
tagatctgat ggacctcctg ggatttcctg gggaaatraa atgagtctaa cacctttgac 1020
cacctgctgg atattatata agcacttact taagtaagct gtggaagagc tgaaagcagt 1080
attcagagtc tgacagttct ctgcaattgg cctagataaa ctcattgtga aataa 1135

```

<210> 690

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (427)

<223> n equals a,t,g, or c

<400> 690

```

aagagcgaaa ctccatctca ggaaaaaaaa aaaaaaaaaa tatattctaa cagacagatc 60
agaggtctaa gagatcctcc cttgctatta ttacctgaag tctgtagaac tgtttacaga 120
tatctccttg acaggtgtcc tttatcttac tttatctgta cagtaatcct gtgagaaaga 180
caggacagaa accactgtgc ctattttaca gatacgaaaa ctgagacaca ggtaaagggg 240
cttgctctgta gtcccatagc tagcagatgg ctggagccaa gactgaggct cgttcttcaa 300
tgctgagcca gggtccttcc gctgcaccac aagaacgcta gaccactcgc caccagcctt 360
ttcattccct ctctctccat ttaancaatt ttaagctggg tgggcctccc aaagggcttt 420
gggaaana 428

```

<210> 691

<211> 1287

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1285)

470

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1287)

<223> n equals a,t,g, or c

<400> 691

```

aagaaatcgg ggcctatata cctgtaacag gagacagawt tggacamcaa ggrttttaag 60
agycattgcc cattgtaaag cattaagcca gagctgggta ttcattatca gactaactac 120
atactagtcc atgctagtgt cagcctatat taaaatagtc ttccttgcc atagtgctgg 180
cgaaaaccca atcccttctg atgaaacatt gcttcttggg aagacaagct gaggaaagca 240
atgaagatcc cagtgtcggc ctttattgag ctatgtatga gggtcagggc ccctcaactc 300
ctagtgacta tgaagcagca gtgtgatggc ttcgcccctc ttgcccctct gtcacatc 360
ctttgcatgt ggctatttta agcttctcag ctttcttttg ggaggcttca tgtgtaactt 420
attatagaaa tgttactgaa aagctgccta aacaaaaaat tgtataaagt aggaatttgt 480
ataaagtaat actgttgtaa atccatcttc aagatgtaaa gaatcaattt gttaaagtga 540
tattttcact tctcccttca aatttatgtg aacaagtttt tcatgtttca atattgctta 600
cataggaata caccttacgt ttttatcagt ataaatggaa catttaaac cagtcaacaa 660
cagaacagat aatccagctc cctgtttgtg ttctgggta attttgcaag gatgaagggc 720
tagaaagtgg tgagtttggg tgtgtttctt attttcagga taaccggctg cattgcagta 780
gaggaatgga atggtgaggt catttgacct gttccagggt agtggaggcc aaagaacatt 840
gtttctgcct ccccttggat gggaaaattg agaaattaaa aagttgcctt tccgaggaaa 900
caaaagttaa tttctctatt taaaataaat gtccaaaggc acccctctaa acacccaaaac 960
ttttagctcc tggcaaacct acctagctag aagttggaga agagtgcggt ttcaaaccat 1020
gcttccttct tgccttgcc aatacgttct cactgactgt gattctgctg tgaacacaca 1080
cacacacaca caaacacaca cacaagcccc ttctgtgtat gatcaggaca agtagttcaa 1140
cagttaataa aaaagttaaa ttattggatg agaaagatat atttaaccta aatcataaat 1200
atgtawatcc atttaataaa cactaaaatt gagaaaaaaa aaaaaraaaa actcgagggg 1260
ggcccgagg ccaattcgga nctgnan 1287

```

<210> 692

<211> 351

<212> DNA

<213> Homo sapiens

<400> 692

```

cctgtctcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagccct 60
ggtgttccaa actcagtctt tcoctgaagaa gaggatctga gttatcttct gaaacagcgt 120
tctcccttcc cagtgtatc actcttataa aaagactgtc cagtctatgt catgccctag 180
gagacaaact gttcctcca gccccccttg agtattgagc agaagaatca aattattaaa 240
tacgtatgtt tgtacagaat ggtatttgtg tatgtgtgtg ggcttagaga ttcacaagta 300
aatattcctt tgggtgaagga atttcaataa aaacatctat caagtgtcaa a 351

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<210> 693

<211> 1204

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

471

<222> (1010)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1080)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1201)
 <223> n equals a,t,g, or c

<400> 693
 ggcaaggaca aagaagattc cttttctggg agtttgtctt gggatgcaac tagcagtgat 60
 agagtgttga agaaactgcc ttaacttgaa agatgctgat tccacagagt ttaggccaaa 120
 tgccccagtt cctctggtga ttgatatgcc cgagcacaac cctggcaatt tgggaggaac 180
 aatgagactg ggaataagaa gaactgtttt caaaactgaa aattcaatat taaggaaact 240
 ttatggtgat gttcctttta tagaagaaag acacagacat cggttcgagg taaaccctaa 300
 cctgatcaaa caatttgagc agaatgactt aagttttgta ggtcaggatg ttgatggaga 360
 caggatggaa atcattgaac tggcaaatca tccttatttt gttggtgtcc agttccatcc 420
 tgagtgttct tctaggccga tgaagccttc ccctcctgat ctggggctgt tacttgacgc 480
 aactgggaac ctgaatgcct acttgcaaca ggggtgcaaa ctgtcttcca gtgatagata 540
 cagtgatgcc agtgatgaca gcttttcaga gccaaaggata gctgagttgg aaataagctg 600
 aaatgaatac atgactggga ataattggga ctgcctgtga ggcctctgaa ataattgaag 660
 gcaagatgaa ggaactatct gaagaaatca ctacactctt agagaatccc tctgttctcc 720
 agcaaacatg ggatgtaaag cctcacaggg aatctgataa tacatacttc tgtcaaccag 780
 aaccagaggg gtagttttct tttccctcca gaggcagcct ttggtactta aaatatctgt 840
 agctgattaa atttttccca acaacctcac tggggagaaa gtgtgttcat gttttgtcca 900
 gcggatcagg atgttaggat gacgagcaag agtccaggtc actgtgcctt tgctgtgttg 960
 tatggaaagg atggcagga acatgctgta agtaattttg agtaagaaan tgagtactg 1020
 tgttacctgg aactcagcca cagatttgtg tgtggtccaa gatcattgca gtttctcacn 1080
 ctgtttattt cctggtaaaa gtaaaattga atagggtccaa gacttggggg tggcaagtaa 1140
 ggctttgcct caagcacaaa atttaagggg gctccaaaaa actcaggaat ccaagggggg 1200
 nggg 1204

<210> 694
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (237)
 <223> n equals a,t,g, or c

<400> 694
 gccagcccag gtcttggagg agcacaatct agtgttctac acaatggggtt tttccatggg 60
 tctccaggag agctattata caccagaag atccagcctt taccagcgct ctctcctttt 120
 tctctcttgc tccccctccc tatgccagg agtaggcaaa gkttgacatt tcgcacctcc 180
 attgccasc tcattctaag gcctttattt aaagggtggat aatggcacat aaaaaanttt 240

472

ttctataaca ggtagcaca tttcctatgg tgctttggaa ttt

283

<210> 695

<211> 2733

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 695

cacgagcaaa ggtgacagct tccggcaact gatgcctcca ctggccactc ctccctccgt 60
 ccacctgtca cttcgggtag ctgggaggcc agttaaaaaa aatggaacct tttcctswg 120
 acactttcgt ggcattacct ccagcaacag tcgataacag gattatTTTT ggaaaaaatt 180
 cagatagact ctatgatgaa gtacaagagg tggtttattt tcctgctgta gttcatgata 240
 acctgggaga acgtcttaag tgtacatata tagaaattga tcaagttcct gaaacatatg 300
 ctgttgkcct gagkcgccca gctggttgtg gggggcagaa atgggagcca atgagcatgg 360
 agtttgcatt gggaaatgaag ctgtatgggg aagagaagaa gtttgtgaat gaagaagcac 420
 tattagggat nggaccttgt tcagacttng gccttngaaa gagctgatac agytgaaaaa 480
 gccctcaatg tcattgtttg gacttactag aaaaatatgg ccagggtgga aattgcacag 540
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 ggattctgga gactgcaggg aagtactggg cagcagaaaa agtacaagag ggagttcgta 660
 atatttctaa tcaactttcc ataacaacca agattgcccc ggaacaccca gacatgagaa 720
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 ggatagtatt caagtgggat cttgactatt aaactacgta tagtgttgct gaaatagaaa 1560
 gaaaacagca ttggaattgg attcatgtat cgtgggatac aggtgttatt tcagggtgatg 1620
 tacttgcat attttcttta gccatagtaa ctttttgtca caataactaa gtattcaatt 1680

473

```

atatataaag agtgaaacat taaaatgacg catggattta tatttattat aattatgtag 1740
taccctcaaa tcattttgtc agttacatca agaaagcaga tttttcttta gtcatgaaaa 1800
atatctcaag tggtaagttg tttgtgcttt aggcaaacat taaccagctc taacaagaaa 1860
aatgtctaga tttacacatt gtcaatacag tatattagtt ctgcaaatgc acttttgttt 1920
aactcaaaca tgctctttgt caagacttgg ctaaccagtg agcttgtagc tctgattatc 1980
tagcattttt agggtcattc tccttaatag gcttttatgt taataagata tattttttaga 2040
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ttctgggtct gaaatctctc tcattgttta cttctgttca ctcagtgaac acagaaacaa 2160
gaatgaggta gtggcaatga aatagaatta ttagtatatt atgaacatta taacattttg 2220
aacactataa tgcattatat attatgaact tttatgaact ttatacatga gtaatagctt 2280
cctaaagtgt ataaaacatt gttaggtta cataaagatt accaagtaag actcaaaatt 2340
gcaaatataa acaaaagaaa aatccaactg aaaataacac taagtatttt tgagtttcta 2400
gaatgtccat tttggtattt gggtacatta tcatatttac tagtcactat cagcacaatt 2460
aggtaataa agaagtgggt catttatatt aaagagtgtc caggaagtta tgtgttcaaa 2520
gttctctcat aaataccatc gtctgcctga tactgtctct gtctaataga gggttgacat 2580
tacaaaagaa aagatgtctg actcaagaac tcagttgatt ctgtttgcct taagtttggt 2640
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```

<210> 696

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

474

<222> (542)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<400> 696

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tccctatagg gaaagctggn acgcntgcan gtaccgggtcc ggaattcccg ggtcgaccca 60
cgcggtccgct ctgaaaatga tctacagcac gatccagaag aaatgaactt tgtgggaaaa 120
gaacaaaagg ccacccaaag aggccaagct gtgatggaaa agaaaaccaa caggatgaga 180
tgaaagggga gattaacaag cwawataaga attgcaagga aatgaaatgc taggcgactt 240
acaatccttc ttggggggcag tgagagcggg gatgctggat gtgaaatcag tgacatggaa 300
ggcaaactgg aaaccctgga tgaaagtgtg tcatgcacag aataccaaaa aagataaatc 360
cagaagacac agagccagtg ttggttttcc tgaggaagag acagcttgaa aaaaggtctg 420
tgtttgcaga ccaatacctg aaagtaaaty caaaggaaac agatccgnca ctagacacat 480
ggtggcaaaa atgtttaata accaagtgtc angggtagaa aaagaatggc cagatagaat 540
gngcgcctn ccctgncccc tctatcccaa gaagg 575
```

<210> 697

<211> 948

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (930)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (936)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (945)

<223> n equals a,t,g, or c

<220>

475

<221> misc feature

<222> (948)

<223> n equals a,t,g, or c

<400> 697

```

cacgcgtncg gtctcagaaa aaaagaaaat tcaaggccag ttaagacaaa atgctatgac 60
tttgaaattc acagaaagaa ataacagttt agattaggtc ttcagggtatt caggatagag 120
ataatctcct gaaaaacctg aatttcagag attcttagac tggctgccaa aggatgaagc 180
tagtgaagga gaaaaagctt aaattccatc ttgagctctt ggattgtgat aatacaatga 240
tttcattaac ttttcatttc tgtataacct ttcatcttga atttaatgct tgacttcttt 300
gttcattttg gatctaaact tctcttttct tccttcccca ttcacatcta ttagaagact 360
gcatacccat ttctttggcc cccttactct gttgtccttt cccttttctt tcagtttttt 420
taatcgcatg tctagtatat taagtctcca tagccctcct gatgcagtag acagtgttat 480
gctgtggata taataccaac cagaaattgg catttataaa cctgttaaga gactttaagc 540
atgcttcaag aggagttga cccactggaa tttctataag gctgggtaccc tccccagagt 600
tacagaatct trgggtccgt ctctagtctg tgaggaggga actcccagca tccccattgc 660
ccacaaatgg aatcctcact gtatccacta ggagattaga aattaagggt tcttcactac 720
ttctatggta ggggtgtctg aaattccctt tcagggtgtg ggtactggtc ttgggttcta 780
gtcataaggg gttccttata aggagcaggc ggaggggagt acactttcat gtgatttaat 840
tttgatcctg ccctctccag ctgctccttc aaaagataca tcaaaagata gaaactctgg 900
gctgggcaca gtggctacac actttgggan gccaanccgg ggggnttn 948

```

<210> 698

<211> 1494

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1494)

<223> n equals a,t,g, or c

<400> 698

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agatggtttg agcccaagag ttcgaggctg cagtaagcta tgatcgcatc actgcactcc 60
agcttgagca aaagagagac cctgtctcta aaaaaaaaaa aaaaaaaaaa aaaagaaaga 120
aaactggagt gctagaacta ttttaatat gaatatgttt tttctagtaa tgtttttcac 180
ccttcttaca gatgttcgtg agcagcagtg gattgccacc aagtccagtt cccagtccea 240
gacgattttc aagcaggaga agtcagagtc cagtcaagtg cattagaccc agtgttcttg 300
gtcctcttaa aagaaaaggt gaaatggaga cagaaagtca gcccaagaga ctcttccaag 360
gcactaccaa tatgttatct ccagatgccg cgcaactgtc tgatctcagt tcatgktcag 420
atatttttga tggcagtakt agcagcagtg gcttatcctc agaccgctg gctaaaggca 480
gcgctaccgc agagtctcca gtagcatgct ccaattcatg ctcttcgttc atcttgatgg 540
mtgatctctc acccaagtga cttaaccatt tctgattcaa cgttttaact gctgtttcct 600
acataaaatg tttagtgggg aacgcagaga actttgatcc ataatgagga ttaaagtttt 660
acagatttca cacattctga tgctattatt actctttggc atctctcttc tccaaagttc 720
aattttgtga gcctagtgtg cttactagta tctggttttg ctgatctcat tttggattta 780
gtgattaaat ctcaaagtct gatttttgat tgcttagagg aatctttttt cttagtgcct 840
caaaaaacac ctattttgag tctatacatt taagaaaggc actgatgtgt attgccttta 900
atggctcctt tccgcagcag tgatatgaca gatttgatca gaaattctct tgetttagag 960
attttttttt gtcctctgtt gactacatag tttcaaactc ctctttatct catgatgata 1020
tataaattgc ttttaattat attaaatttt tatttttctg catcagcttc aagtacatta 1080

```

476

```

ttttgtttcc ctttcctggt tgagccgctt atgccatttc tcacagaggg gaagaaatac 1140
gtagtgtgctt tcattactct tattgcttct ttgctgttgg ggtgtgtgaa gtgagcattg 1200
attttagtgc tgagaatgta aacggactta caggatgctt ggattagtca tcacagggtc 1260
ttatgacttt gctaccacag ttgatataatt tctcctcaaa cctgttgccc taaggaatat 1320
ataaaatatt gttgatattt ctaggtggtg ttatcaagga gaagaaattc ctgccttgac 1380
cagatgtgtg gagcatctac aaatgaatga atagttattt acacacaaac cactgtgtac 1440
aaaagcgtcc atggagctgt cagtgtctcg agtgggtatta tgaggcctca ggtn      1494

```

<210> 699

<211> 303

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<400> 699

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gaaagggttc aagtaaagtc aaatgatggt ttggcaacct tttctcaaaa gatwctgcat 60
tggaatacag actgtaatat taaactacta tgtgtatatt gtttctacas ttgtatacac 120
cgtartgtct ttacagggtg tataagggtc atggccctar tctaattcag atttaaaacta 180
gtgcttgccct tgtaactctg caagtgatca ataactctct aatactgaaa gtcmaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagggcggc cgntntaaan 300
gag                                          303

```

<210> 700

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<400> 700

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gcaccaattc tggaaatgag ccaaactgag acgcagggga cctgagttct aggcctggct 60
ctgccgtggc ttgctgacct tggagaattg gagaagcttg tgccctgctg gaaagtggga 120
tggcagtacc cgcttcatct agtagtcggg gagatcaaga gaggtatggg acctgaagag 180
gatggcagac tgtgcagtgc ggtgcacacc ggtctccagg ttgttttcac cctcctgtct 240

```

477

cctcccagga gctaacgtat aaagctgagg ctcggccagg gactgtgata taccacatc 300
cccggaacta ggtgatcgcg gtgcaggaac caggtgtgcc ttcgcgggat ccatgccttg 360
aggcccagga acgccccgcc gccagcatgc cgtgggacgc gcggcggcct ggggggtggcg 420
cggacggcgg gcccgaggcc tcgggcgcgg cgcgctcgcg agcgcagaag cagtgccgca 480
agtcgtcgtt cgccttctac caggcggtgc gcgacctgct acccgtgtgg ctgcttggan 540
gatatgc 547

<210> 701

<211> 2401

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2354)

<223> n equals a,t,g, or c

<400> 701

ctacatccag tgacctatca gggatgcttg ttattttata caagctgctt tgttatcata 60
tcagcattct ctccagccag ctccaaggca gatagtcacc cctctctctg tgtgggtggg 120
gtgggagcag gccccgtgga gggagcgggt ctgaggacat gtccctggcg ttccgatgct 180
gctccatcga ggacccctg gcctcaggag gaaggagcag gcgatgcagc cccttagtgt 240
ggtcgtgttg actgacaggt ggctgatgcc tgagcgcgcc ctcttcttsc rtcttaggag 300
acaccgtggg gaagaggaag cctgcttctc tgatggcccc tctgaagcgg aaggaggagt 360
tctccttggt caaggtgtct ratgatgaat ataaagtaac aatctcgctt casctgctct 420
tggccaccca gcgttctctg tcccgaraag tggatgtatt cagcccgtg cgcattctctg 480
agaaggtcct gctgcacctg ttgaagcatc ccagtgtcaa ccaggaagtg aggtttgacg 540
agagcaaccg gctggccaca caccactacc tgtaccagcg cancagccgg tggattactt 600
cattctcatc ctgcagggca gggttgaagt ggagatcggg aaagaggggtc tgaagtttga 660
gaatggggcc ttcacgtact atggagtgtc ggccctaact gtgccatcct cggttcacca 720
gtccccggtg tcctcgctcc agcccatccg ccatgacctg cagcccgacc caggtgacgg 780
cacgcattca tctgcgtatt gtcccgacta caccgtgagg cgctctctga tctgcagctc 840
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ccacagtccc ctgagaacac cgacctgcag ttattccagg cagccagacc aggctccttg 960
gtgagaagac caccacagcg gcagggtcca gccacagcag gcccggcgct ccggtggaag 1020
gcagccctgg gcggaacca ggcgtttaa cggstcacta ggcagcccca gatctgggga 1080
acaratgagc acgtggggag ctggagtgtg ctgagcagaa gttttgtgcc cgcctgcccc 1140
catccccctc aggccacgtt ttagatggcc cttgtagtgt cgggtcctgg gtgtcctcag 1200
aactagacat caatgcctgg atccttcagc cgccctgccc ctcttttagg agacaggagt 1260
caccagggca cagcctccag gcccgctca ggaaggaatg aaaggaatgc catcatctct 1320
agttcccagg gcccagcctt ccccttctcc cccggggcag ggacagtgcg gcatattcag 1380

478

```

attcagacct ctttgggctg agccaccttg tgagtgcagt tactgccttt gtgtggccgt 1440
gacctctatt tgtttgcttt taatttgcca acctatcgct gctggcagca ctttttgagc 1500
aagccgagag caccattttt ggctgggggt tcagatcgat ggccttgtec atgttgteet 1560
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aaaccagaag ctccactgcc cgtaggctgt ccctgtagcc ctgctccctc cctggaggct 1680
gctcttctga ttctgagagc tggcctagtgt gtgctgaggg cccctttctg cttctctgcc 1740
cacctgctga gttgccactc gcagtgttgt cagttcccgt gttctgagaa gaggtcatgc 1800
ctgggaggaa gggatcgta tgctgcacgc aatcctctct ccgcctgtgt gccccagga 1860
gagtagctgc ctggtgcacc tgctccacac ctccccacag cctccctgca ggtgctgtgt 1920
ggccgtgatg tgcagagagc agtgaggagg gggtcatgaa ccaggaggat cctctttaa 1980
aaaaaaaaag tttttgttat atctctaraa catttcaagt cttttccttt ytttctgttc 2040
ctagctatgg ggttttagag aagtgggaac aggaaggcat ttgtcttttt cttctagttt 2100
actacatttt ccttccgtag ttcttcagct gtgtggaaac gggcatcaca aggacatagg 2160
atcatagatt gggtagggag ggaggaggat ttctggaact tttctcaaag gaatttggac 2220
ccttataaat gggactgaag gtcaaaacaa cagtgatatc cttgcttaga aattgtcctc 2280
aaggaataaa ctctgagagc aagcccgggt tggaaacaga tgctttaaaa tcctctctcc 2340
anaacagtgg tttnttgttt gtttatttga gatggagtct cactctgtca cccaagctgg 2400
a 2401

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<210> 702

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (654)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (689)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (702)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (712)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (716)

<223> n equals a,t,g, or c

<400> 702

gcttggccta tgaaaagatt tagacaacca gacgataata gtgggaaatt tcaacactcc 60

479

```

actgacagtg ttagacagat cattgaggca gaaaactaac aaagaaatgc tggacttaaa 120
ctcagcactt aaccagttga aactaataga caaatacaga acactccacc caaaaggaat 180
gcttatacat tggttggtgga aatgtaaatt agttcaggca ctgaggaaag cagtttggag 240
atattctcaa taatttataa cagagctacc attccaccta gcaatcccat tattgattat 300
atatccaaag gaaactagat cattatacca aaatgcactc atatgttcat caccatgcaa 360
ttcacaaatag caaagacatg gaatcaagcg aggtgccccat caatgatgga ttggatgaag 420
aaaacatata tgctatggaa tactacacag ccctaaaaaa agaatgaaat caagttgttt 480
gcagcaacat aaatagagct gaaggccata gtcctaagta aattaatgca ggaacagaaa 540
accaaatact acatgtttct acttacaagt gggaaactaaa cattgagcac acatgaacat 600
aaacatggga atgatttgac actgagcact actttgaggg gaagagagag ggangttgac 660
atggggttgaa aaaacctacc tattggggna cctatgtttg cntacctggg tncaan 716

```

<210> 703

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 703

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gatcctaaat gcttgggacc aaagtatttt ggattttttc agatttttga atatttgcac 60
tatactttta tgagcatttc ctttgagcat catgttggtg ttctaaaagc ttcagatttt 120
ggagcatttc acatttttga ttttcagatt agggatgctc agcccgtata gggaaacttt 180
agaacattat agaaatgaac aaaaagaaag caaacttgaa tgcagccata taggacatat 240
acttttggtg aagtttagagt aacagtggat ttacttttcc cttgaaatga caaacaacaaa 300
aaaaaataca gaaatatgaa gcagtgggtt ncaggcgncg gagtcaatga tgaacaaacaa 360
tggcctgagc ccaatgttgg ctccagcttg agaatttcta gggtgcctat a 411

```

<210> 704

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (698)

<223> n equals a,t,g, or c

480

<400> 704

```

ggacawtacc aggcaaatat tgcagaactg actcatgcaa acaaccgagt ggatcaaaat 60
gaagcagaag taaagaaact aagattacga gtggaagaac taaagcaggg actcaatcaa 120
aaagaagatg agcttgatga ttccctgaat cagatccgta agctccagag gtctctggat 180
gaagagaaaag aaagaaatga aaacttagag actgaactca ggcacttgca aaactggtaa 240
ttttttcaca aaatatgctg aattaaagat tagggcctta aagacatttc catatccttt 300
tcttaaatat cagtaaaatt gtttttatta actagaaata ttaatgaaaa aaacgtagac 360
aatacacaaa ttaatgggct tcttcacttc ttctaatttt tgcctaacag atactgcata 420
ttctcaaaaa gacaatttaa atgtcattta aaaacaactt taattctaag atgtgtaaat 480
atthttgaaag tcaaaaaggg ctttcagaat actttttaca taaaatctga agagttataa 540
tatcggttag aaaaagtagt tgaanaccat acaagacgct gggtcattaa taagaaaacc 600
attgacttta gtataaagta ctggtttgtt taaagattgg taaactttta tgtacgtgtt 660
gtctatgtgg tggggatggc aggttgtatt aacaaaantg aatccttcta gaggtgtacc 720
attac 725

```

<210> 705

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (306)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<400> 705

```

ggggcccaca cccaggtggg ggcccatggg gtggagacag agaggtggct ttaaaaaaca 60
cagctgtact aattcttcac tccatggggc cacaccaggg tgggggagga ggaagccact 120
gcatctgttg gctcagggcc ccagcctgtg cgagcagggc gcctgggctg ttgtgtctcc 180
tgtctgtgcc gatctctatt aaaggactcc ctcttggtgg gcaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
anggnnggcc gttttaaagg atccaagntt ac 332

```

<210> 706

<211> 726

<212> DNA

<213> Homo sapiens

<400> 706

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ggcagaggtg actgtcaaag cttgaccctt gctttgattc cctttgttga gacaggttct 60
tataggacct ggattctcac cacatcctct gttctgttta gggaacacaa aggtaagctc 120

```

481

```

agctctgtgt ccaggagtag cttatagtag tctcccttaa ctgtgtctgt ttcaacttga 180
tccaagatca ggattagtag aagcttgtaa aaaaaaaaaa aaaagtttwt tttttacaaa 240
atagaccaga tgcactttga agttaaagtg catgcttaac catctgcaat tctaagggtt 300
gagctcaatg catcacatgt agtagatggt caagaaatgt ttgttaaagtg ggcagttgta 360
aacagagaca gtgccgtggt tatttcgttt tccagaaagg cacctgactc cttgctttgc 420
acataacagg tgctcaagaa atgttgaaga aaaaagcaaa ttgctttgaa tgcagtgtat 480
cctaaaacca gatttccagg ttgccccagt actctgtaca ggccctccatt ttggctgtta 540
acacagtgtg tcttttggtt cattaaaatg ggtccacgtt tgcactcctt ccgaaattat 600
aaactcctgg gagtgcaggg atgtgtctca tacattcttc cttgactttt ccacagcata 660
ccttagcaca gagttggata tgtagtagat gttcaatgga gaattactga attttcttaa 720
aaaaaa 726

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<210> 707

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (531)

<223> n equals a,t,g, or c

<400> 707

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gggttgggcc aatgggtcag gcatccagtc agctctggct aaggggtgaa ggagtcagggt 60
gttaccaacg tgggtggcagg ggccaccttg aagctgtggt ctgtgccatg gaagaaggaa 120
gaggaggagg aagctaagct ggaaggggaag gctcctggag tcagtagttg gaatctcaga 180
tggaagaaa ccttaaaagt catctgggtcc agtatcttcc aaagcatggt ccatgaactt 240
gttttccaga aatgggtttcc tgggtctggtg agtgggagyt csatgagagt ggcagttgtc 300
tattttgttc accgatgtat cttangtgac taaaacaatg gttgtcacat ggctggccct 360
tcatatttgn ttccagatgg aagactctct ttctagtggt ggaacattag ttttgcaactg 420
tgttgggaca acctgatgta gtgaaaacaa gcctgggcaa tgaaatcaac agattggaat 480

```

482

tcaattccta attgggtcat tggatgactt tgtgacctn ggcaaaatna nttacctttt 540
tgaatttgaa taa 553

<210> 708

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<400> 708

ggctgcaggc agcaacgcaa gtcaggctga acattcagtc tccagagaca gctgtgtgga 60
gcaaatcaga gttcatgccc aagtccccag gttggaatgg ctgtgccaaa atccattcaa 120
agggttttct ttttcattac taggtcagaa cattttgagt caccttgga gattcaggat 180
ggggagagca aatttgaaca aaaggttttt cttatatacct gagattgagg ggtagggggg 240
gtncaacctg natag 255

<210> 709

<211> 1075

<212> DNA

<213> Homo sapiens

<400> 709

ggccggcctc caggctgaag aaggacccgc cccggccttg acccgggccc cgcccccca 60
gccggggcac cgagccccgg ccctagctgc tcgcccctac tcgcccggcac tcgcccgggt 120
cgcccgcttt cgcacccagt tcacgcgcca cagctatgtg tccccgagcc gcgcggggcg 180
ccgcgacgct actcctcgcc ctgggcgcgg tgctgtggcc tgcggctggc gcctgggagc 240
ttacgatttt gcacaccaac gacgtgcaca gccggctgga gcagaccagc gaggactcca 300
gcaagtgcgt caacgccagc cgctgcatgg gtggcggtggc tcggctcttc accaagggtc 360
agcagatccg ccgcgccgaa cccaacgtgc tgctgctgga cgccggcgac cagtaccagg 420
gcactatctg gttcaccgtg tacaagggcg ccgaggtggc gcacttcatg aacgccctgc 480
gctacgatgc catggcactg ggaaatcatg aatttgataa tgggtgtgga ggactgatcg 540
agccactcct caaagaggcc aaatttccaa ttctgagtgc aaacattaaa gcaaaggggc 600
cactagcatc tcaaatatca ggactttatt tgccatataa agttcttcct gytggtgatg 660
aarttggtggg aatcggtgga tacacttyca aagaaacccc ttttctctca aatccaggga 720
caaatttagt gtttgaagat gaaatcactg cattacaacc tgaagtagat aagttaaaaa 780
ctctaaatgt gaacaaaatt attgcactgg gacattcggg ttttgaaatg gataaactca 840
tcgctcagaa agtgaggggt gtggacgtcg tgggtgggagg acactccaac acatttcttt 900
acacaggtaa ttgtttcaaa aggattgcat gggccaggat gtccagataa gcactgtgtc 960
tcttttgcct ttgtaactgt tattactctt tttactgcta tttaatatgt aatgtatat 1020
atatgatcta taatatatat gtaatatata ttaaatggga acatgtgcaa atctt 1075

<210> 710

483

<211> 753
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (706)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (741)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (746)
 <223> n equals a,t,g, or c

<400> 710
 gaattcggca cgagctcgtg ccgaattcgg cagacgatac caggtgctgc agaagggatt 60
 ccatgaggtg cgcaaaggcc ctacttcgcg ttccaccttg gagacggcga ctctctgctg 120
 actgattgga acatccgcga aatgatacgc ctctctgcaa tgctattggg cgaaatgcat 180
 gtcaatctcc cagcgtcttt atccgtgttc cttgactctg ggcaacttaa aagccctaata 240
 acttttactt tcgccacaca aagaggttct tcttagtgga gggagagcag atgtagggca 300
 tcctaccgag aatttcggga accacgtgcg agatgatgcc agtcatgaac gtctccgcgc 360
 ttcttttcgc ttgggaaata tccttaagta gaaaagaaat tttctgagct ttgcctaaaa 420
 ctagaatctg tgttgagggt tttcaaaatt aagtaacgcc agagacatac tgtgacgtga 480
 ggaaacgctc ttaaatgaaa ttttaagatc tatttgagaa acatgtacta aaaatgtact 540
 gacctcctat taatgccagg cgctatgctg aattctgggc cttcacattg tccttcatt 600
 attagaactg aagcccagat tatttgaaac aaaaaataaa cttcaataat ttattaaaaa 660
 aaaaaaaaaa aaamctcgag ggggggcccc gtacccaatt cgcccnaaag ggaggcggat 720
 taaaattccc tgggcccggc ntttanaaag gcg 753

<210> 711
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (721)
 <223> n equals a,t,g, or c

<400> 711
 aaattaaccc tcactaaagg gaacaaaagc tgggagctcc accgcggtga cgaccgctct 60
 agaactagtg gatcccccg gctgcaggaa ttccggcacga ggaacagctc acactggctg 120
 gcaactgctaa gcaggtgcgg aggggagtc gagacccccg gatggagggg tgtgggtggac 180
 ctcaagttttg aggccgagag tcctctggcg ccmcccacag agctcctgga gagactgccc 240
 agctatgact ggcttcttca agggggcaga ggacagatat tcttcccacc tttggaggcc 300
 ccagggaggc cccaggagca aaggtcctgg ccctcgttcc tggaacacag gagatgccct 360

484

```

ccccagttgg actgctgagg gctttaccac taccgtggcc tcagtttctc gcctgcacgt 420
tgaggaggct ggctggcccc cgtragtcca caggcccttc ccagaagccc ccgcctctct 480
gttcgggtccc ctgcagagtc cctgcgaatg acggaggagg tggcccggga aagccctcct 540
cagctttgtg gactstaagt gcctgctaca gegaakktgg actggagacc tcgtcatcca 600
ggagctgaag cggcagaccc tctgcaggta cctgtctggag accttttagtg aatccaggat 660
aagcgaagtg gacatttcaa ccctttacta aaccactctg tggaatgggc cgcaaagagg 720
ngcctcccc aggggtcttg gacatcaagg tttcaaggtc cttccgatgt ttttcagga 779

```

<210> 712

<211> 570

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<400> 712

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ccctcactaa ggaacaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg aggagccact gtgcccggcc tgccttggtt 120
atthtcataa gatttctaga attaggttca ctgagttaag tgatataaac atthttgagg 180
ctthtgctac ataththttag attgctctac aggagtggtc tagthttatac acccttacca 240
ggtcgccatg tatgtttcta cacaatagcc ctgctcgcaa cagatagtat atthtncnct 300
gttgcccagg ctggagtgca gtggcgcaat cthtcttggc tcactgcagc ttgaaatctc 360
aggctcacia gtgatccctc cgctcagcc tcccaagtaa ctgggactgc aggcattgcac 420
caccatgcct ggctaathth tththththth tgtagagatg ggtththtgag accagcctgg 480
gcaacatggc aaactccgt cthtactaat aatacaaaaa ttagctggga tagtggtatg 540
tgcttgtaaa tcccagctac ttgggaggtt 570

```

<210> 713

<211> 877

<212> DNA

<213> Homo sapiens

<400> 713

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gcctthttact gtagaccctc tccagagaaa ggagctcggg tcttccctga gccaaaggtgc 60
cagggtccca gaactcctth cactgcagac cctctccaga gactggggag agggctctgg 120
agaacctggt tcttgcttac tgthtccct ttgggcccct cthcccaaac gcaaacaatc 180
caggatccac tcagcgtcag gcccaatgga aatagtgaag cagtgattth cctccccctg 240
cctctccata gcctggctct ttgcccctct cthtgcctct cthtcccccc atagccacct 300
caaatacctg cagcctgata tcttcatccc ttcattccaga cctthtctct cctagtggta 360
ttgcaactg aaagtggaca aagacttaag gtaaacctgc tctcatggg ggaatgcttc 420
caaatgctgg aaggaggact ttagggcaga gttcactaag gaggtctgtg cttatagatc 480
agtgggcctg aaagaagtht ctctaggttc tggthtgtgt ctgtacgarg tgtaggtagt 540
aataatactc ttgtcagcca cagtgaagcc ccaagctagc cgggataggg gactgacctt 600

```

485

```

gtacaggcag catggagaaa ctaagacaga gtgtcctgcc caagtgatgg cactggggag 660
cagtcactca ggtttatctc caccagggcc caagaaaaaa agaaatgagg caacctaaaa 720
ttccatcaag atagatacca atatccaagg tgcttggtct tagcgggtgt ggacccacgt 780
taaggctctt ggtgggaagg tgggaggtgt ttccagcatg agatagggtt caggctgtga 840
atcagagtct agagcctaag ataaaaaaaa atgtgcc 877

```

<210> 714

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (592)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (620)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (644)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (654)

<223> n equals a,t,g, or c

<400> 714

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gtgttggtgcc tgttaaaaaat tcagagccct gaactccatc ctggtataaa gcaaaaataa 60
aatTTtaatc ccttgacca tccaatggc ccttctctt ggcaaggga ttccaaagt 120
aaatggaaaa actagtttta gaccatgatg ggaaggggg gttggaactc cttccttttg 180
gaattactga tagaacagac tttttaagtc tgataagaaa catttacaat ctattctcaa 240
agtctgtac caggaggctt cacctgcacg ataaaacctt ggtctccaca actccttatc 300
ttaaccaga cagtcctaag tttttagaca ataacctaac tgkttcaatc catgccaatc 360
aataagtctt taaatctgcc tatgacttgg aggccttcc ttycaagtag ttgkcctgcc 420
tttctggacc aaacgaatgt acatcctatg tgtatctgat agatgtctca tgtctcctaa 480
aatctgtaaa actaanctgt cccaaccac tttgggcaca tgttctarga ctyctgaagg 540

```

486

tgtgtacaag gccgtggnca cttatatattgg cttaaaataa tctcttcaaa tntttaaaaa 600
 aaaaaaaaaa agggcgccgn tttaaaggat ccaacttacg tacncctgca ttcnaa 656

<210> 715
 <211> 1530
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (25)
 <223> n equals a,t,g, or c

<400> 715
 ncctcactaa nggaacaaag ctggngctcc accgcggtgg cggccgctct agaactagtg 60
 gatcccccg gctgcaggaa ttcggcamga cgcggtccgg gtcgccccta gctgtttcct 120
 actcacccaa agccccgcac ccgccttttc tctctctcct ctggcaggat gaggcgtgca 180
 ggctggggtg aaggagtacc tcctggcaac tatgggaact atggctatgc taatagtggg 240
 tatagtgcct gtgaagaaga aaatgagagg ctactgaaa gtctgagaag caaagtaact 300
 gctataaaat ctctttccat tgaaataggc catgaagtta aaaccagaa taaattatta 360
 gctgaaatgg attcacaatt tgattccaca actggatttc taggtaaaac tatgggcaaa 420
 ctgaagattt tatccagagg gagccaaaca aagctgctgt gctatatgat gctgttttct 480
 ttatttgtct tttttatcat ttattggatt attaaactga ggtgatgcat gtaattgtga 540
 atttggaatt tgttccaact taatggcttg cagtaccact ttgataaaaa tcagcatcaa 600
 aacattccta gtgttcaaat actgtggcat tttccattga aaattgctga attttgctta 660
 ttttataaat cacattagtt aatacagtgg tctttgaata ctgtttctta atgactcatt 720
 ttagccccta ttttcagggg tagtgagagg gtgtggctcc actaatttcc agtttgtttt 780
 tctattgttt gccaaactgtc agattaaata gcattataat attttgttgt aatcataaat 840
 gcaggtttat gtcccatgta aggaaactta gtgggagagt aacagaatgc ctggagagcc 900
 tgactctgag ctcttgaagt agtcagccag ttgtggttaa aatggtaatt gaattttcct 960
 aactgcatca actgtaatga tatactccct tctcctcctt tatttagtta aaattgtagg 1020
 ctgatttctt ttacctaca atcttcctaa taatttttga tgataatgac ccctcatttc 1080
 tttctgccc aagacctcat tctttaata aaacttgta ttttggcata tttctggtag 1140
 ggccattgac acatgtgtat cagtatagtt attatttcat attaaactta tgaattctct 1200
 tgacttggct tataatagtt ttatgatttt tactacatag gtagcacatt tatcatttgt 1260
 gacagaataa tgtgaagtta agtaattact gaactttaaa tggaaatagt atgcaagaaa 1320
 ctgaggcatt gaacttgaag ataagagtat tattgcttta atccagtgt tttgtttatg 1380
 gaaagaaaaa cacaaaggca gactgttgag taaaaaatat taaatattgt taaatattct 1440
 gtatttttga atttatccat ttataggctt caaaagtaaa tttttaaata aaatatatta 1500
 gtcgactgtg aaaaaaaaaa aaaaaaaaaa 1530

487

<210> 716
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (709)
<223> n equals a,t,g, or c

<400> 716
tggctccaaa agggaattgg gccttaagcc aagaatccgc cagaggggggt aatcaactct 60
gttactttctc cccctgccag tcagaccggc cttcgggtgag aaggtgcgctc tagaactgag 120
gcgtgcggcc aatccgactg ttccgtttcg ctgcctcgtg ctaccctac agcctcgaac 180
actgacattt aaaagggtaa cagctgggag gcagggaagg ggcagccgca cactttcggg 240
gtgcctcgcg gtcccgtggc cggtcggggc ctcttggtc acgttcagc ttgcgggagct 300
ttgggacaca tctttcctag tcagttgcgc tcgttcctat ggcaaaagag aacttcagct 360
tcggtttttc agctcccaaa cagttaagtg acttcctgca aacgctacag tcccagcaac 420
cagccttcca atcaaaaagta agttgggtga tgtcactggc attggctcgg ccaatcacao 480
gggcgttccg aaagcaagcg ctcgacactt gtaaacgcga agagctgtag tgaaactgga 540
cacatctttg tattttgtgt tgctggtagt aaatttgagt tatggatgag aggacagggg 600
tgatgaataa atgcagtgtg aatctataat taaaaaaac ccattatgtc aggataagtc 660
caagaataaa cacaaatgag taagaaaaaa aaaaaaaaaa aaaaaaana aaaaaaaaaa 720
aatgaaaaaa aaaaaaaaaa ag 742

<210> 717
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (802)
<223> n equals a,t,g, or c

<400> 717
ctcactaagg gaacaaagct ggngctccac cgcggtggcg nccgctctag aactagtggg 60
tccccgggc tgcaggaatt cggcacgagc ccaatacagg catgaaccac tgcacccacc 120
tacttagata tttcatgtgc tatagacatt agagagattt ttcatTTTTT catgacattt 180
ttcctctctg caaatggctt agctacttgt gtttttccct tttggggcaa gacagactca 240
ttaaatattc tgtacatttt ttctttatca aggagatata tcagtgttgt ctcatagaac 300

488

```

tgccctggatt ccatttatgt tttttctgat tccatcctgt gtccccctca tccttgactc 360
ctttgggtatt tcaactgaatt tcaaacattt gtcagagaag aaaaaagtga ggactcagga 420
aaaataaata aataaaagaa cagccttttc ccttagtatt aacagaaatg tttctgtgtc 480
attaaccatc tttaatcaat gtgacatgtt gctctttggc tgaaattctt caacttgga 540
atgacacaga cccacagaag gtgttcaaac acaacctact ctgcaaacct tggtaaagga 600
accagtcagc tggccagatt tcctcactac ctgccatgca tacatgctgc gcatgttttc 660
ttcattcgtg tgtagtaaa gttttgggta ttatatattt aacatgtgga agaaaacaag 720
acatgaaaag agtgggtgaca aatcaagaat aaacactggg tgtagtcagt tttgtttgtt 780
gaaaaaaaaa aaaaaaaaaa anctcggggg gggccccgga 820

```

<210> 718

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (318)

<223> n equals a,t,g, or c

<400> 718

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gcatacttaa aaagtacaaa agtccagttc tccaggtaca tgggcaattg tatttgttta 60
tagtttagat tcataacctt tactgaatgt cagaaacaca aaaacttatr raaataaaat 120
atatttgctc ttgagataca tataatttat tttaagtcaa taatacattt ttagttaaaag 180
gtgtatttat gatcagttta ttgtacttgt gctataattt tctttattat taaataaaat 240
tttgagacac ttttaaaata ataaaaacca aaaagtggta ttttaaacct agtttctaaa 300
tgatgattga ctaaagtngt gtgtgtgtat gcagacatac gtaaatacac acatacatat 360
aggctatgat gatgacaact atttacttca aattagatgc cttctgtatg tatattgacc 420
agaatacatt gctcaagtga tttttaaata ttgtataat ttt 463

```

<210> 719

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<400> 719

489

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tttactagtg tattatcttt tatTTattat gtaaagcttc tttccttctt tttccccaat 60
catgatatat tagtgacaaa atattacaga accggactat cagtcactta aaaaaacagt 120
ataattctaa tgctagtaaa catgtaattt aannnagttc tggaggacag ttgtctttga 180
ttaaagcccc accaaaaccc atttaagtat ttaatgtaca tactattcat attattatgg 240
cctgtaaaca ctaatatctg agcaatcaaa ctgtttttatc taccatTTTT gatgaaattt 300
gaataaagtt taaaaacgtg taagcctttg aacaaatgta tgaaaagcttt aaaagatcat 360
tagcactttt attttgTTTT caaataagct gccatttaaa aaaataaaac ctcactactt 420
gaacataaag ctcccaaaca atattgtatt aaaatgtact atattgacct aggaggatat 480
aggaaattat attcacctga ttaactggag cagtttcaca tagtggaat acttttttgct 540

```

<210> 720

<211> 837

<212> DNA

<213> Homo sapiens

<400> 720

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gcggccgcct gcggactgga gacccgggag gacggacgcg gacgcgggct gctcgtcttt 60
tacggccctt caacgcccac cagaccccac tctctttgga gaccccgggc gacgggtggg 120
ctcttgggca ttctgagact gcgcttggtg gagaccccg ggcacggtgg agctcttggg 180
cattctgaga ctgcgcttg tggagcccc tactggccag actggatttc tcagcctgcg 240
actcagcccc aggtacacg aaagaagcca gacctgggta attcttctag ttcttttttt 300
tttttttttt taattgcact gggaaacttc cccaatctcg gcccagttc tttctccaaa 360
ctaaggagtc atggcctttc gcccgctagt ccagtatgca cccgtaggcg cttcattttc 420
tctcctcttg tcagctttta ctgcctctg aggccttcgt cttgttcaca ctgagtgtcc 480
agtccctcca aatccggcta cactctactg gcaaggagca cctgggcat gttttagaga 540
tcatccgagg actaaccaca aaagtatatg aagagaaagc agaggccgag stgaagagat 600
rgacccggt cacaccag taaaggcagg atctaaactg aaactggtgt cagatctgg 660
tgccttgac cctgatatac aggtgaagca acmctgggca ggatagagca gagtgaggtc 720
agagtgtgaa gatccagcct gatgcccaca ctgacgccty ttcattctcc cskgctccat 780
ctgtaaacgt cmcggttaat ccactactt tattgcatta tatagagaaa taaatga 837

```

<210> 721

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (736)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (738)

<223> n equals a,t,g, or c

<400> 721

```

gttttctgct attaagttga gctgtttcaa gatagaatac cggattaggt tttgagttac 60
agtagccct ccttatctgt ggggtgtaag acctacagt gatgcctgaa agagccaaga 120
gtattgaagc cttgtttttt cctatacata cgcaactgtg ataaagttaa atttataaat 180
taggcacagt aagattaaca gcaataatga gaacatttat aactagtaag ttttgtgaat 240

```

490

```

gtggtctgaa aatactgtac tgtgggaaag tgaagccatg gtaagggagg attactgtat 300
atcttcattt tgggtcttaag ctttagaatt atgggtaact aagaagccgt ttgagatggg 360
tatattccat gactaaactt acctgggaat tgtattattt acggggaagg cagytatttt 420
aaaaatgctt gtttaaggaa gcagttgctg tatttgaatt aagataactt tcattagaga 480
ttattagtga aggttggcca tctggttggc tatgtgctta tagaattata gaagtaagct 540
atttgttgac aatttttagag tttaaatttga caatcttggg tacctaccaaa actttaaaat 600
agaagtcagg atttctgtta cccaaccatg ggagcyttgg ktgtcycata ttcggtaaga 660
taatctctgk taaatagtgg ggtattagaa caaatggact taagtaaaaa tcttcaaata 720
atctttaaaa aaaaanan                                     738

```

```

<210> 722
<211> 506
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

```

```

<400> 722
acaagtagct gcagtagcgt acggaattac agggtagacc caagcgtacg taaaatttaa 60
aaacaaagga ctattttaaaa atacagttta ttaacaaacg tgaactactt tctgttacat 120
taggtgttcc ctagtggttc ttaatttctt tttagaaagt gtatttttat tagtattttt 180
ccggtgaaca gaagatttgt ttggatttaa acatttacta agacagtacc tattaggaaa 240
accaaatatt gcaaattggc aattcgattt taatttctca aaagatactc tgttatccag 300
aagattaaaa tgcctacatt gagtgcttaa aaaaaaaaaa acmactgtga tratktgagc 360
agaatggcca gtaagttaag ccttttttgg tccnggtaat ccagggtatc catttaccat 420
ggaaagggga ttccccaac tactggccca gaggggaagt tgggtttttt aaatttaagg 480
nggggaaatt ttanccctat aaaatt                                     506

```

```

<210> 723
<211> 540
<212> DNA
<213> Homo sapiens

```


491

<400> 723

```
taaggggatt ctcccagctg ctaaatttaa acagtaaata tcacattttg tcattaacac 60
agctataact tgccgtgggt ctcagattta ttttggacta ttttgatgcc aagtgaatat 120
aagagyttgt actgaaacca tttatttctt tctattttgc tatttgcaaa tgcttggtat 180
cttccctaca tgaagtggca gtaacctttt tcacatttaa gctacccttc tacttttgaa 240
gtgatttgca gttactcatc tgagacagca tcagtatttg actaaatcat tgtttcacaa 300
ctgaatagtc ttgttctttt agtagcaatg aaatcctaag ctcttgaggc cattcacctg 360
ccaacctgac catactgctt tcaaaagtct tttctcatca gtagaatcta ttttggtcac 420
ttctagtaa tgaaaaatgt aaacttttag gagagaatgt ttcctaggac tcacccactc 480
cattcaatgt tacatataaa atagtgtgat caatcacaat gtccatcttt aaacagttgg 540
```

<210> 724

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<400> 724

```
cccacgcgtc cggacccacg cgtccgcctt gctctcctaa gataaccag aaaggagtgg 60
tcatatactt tggaggatag ccatatagat acttatcagt ggcctgtgat tctttcctcc 120
agccccattc ttcttagatg attggaaaaa cacttaaggg agcattaaga ggctctgatt 180
gctactcagt gatatacgtc agtctgagag gacagggcct aggtaaaaaa gacttgtaac 240
gatgattcac aatgaccctt actgtcactt catgtaagta tagagggtc aggtatacca 300
ggctggcaac tgatggataa acggcattat gctaaaatac aattttggat ttcataattaa 360
agtatctcta gaataccag gaatacctta aaaggaagga atggcttcct gaacaaggnt 420
ggggaaccta ctccttaatt tgttttagt 448
```

<210> 725

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

492

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<400> 725

```

tattnctagg atatacccn antaaaggga caaaagctgg agtcaccgcg gtggcgcccg 60
ctctagaact agtggatccc ccgggctgca ggaattggca cgagccgaaa gggacacaat 120
gtggcatgac taagtacttg ctctctgaga gcacagcggt tacatatatta cctgtattta 180
agatttttgt aaaaagctac aaaaaactgc agtttgatca aatttgggta tatgcagtat 240
gctaccaca gcgtcatttt gaatcatcat, gtgacgcttt caacaacgtt cttagtttac 300
ttatacctct ctcaaactct atttgttaca gtcagaatag ttattctcta agaggaaact 360
agtgtttgtt aaaaacaaaa ataaaaacaa aaccacacaa ggagaaccca attttgtttc 420
aacaattttt gatcaatgta tatgaagctc ttgataggac ttccttaagc atgacgggaa 480
aaccacacac gttccctaata caggaaaaaa aaaaaaaaaa aaagtaagac acaaacacaa 540
catttttttt ctcttttttt ggagttgggg gccagggag aagggacaag acttttaaaa 600
gacttgtagt ccaacttcaa gaattaatat ttatgtctct gttattgtta gttttaagcc 660
ttaaggtaga aggcacatag aaataacatc tcatctttct gctgaccatt ttagtgaggt 720
tgttccaaag acattcaggt ctctacctcc agccctgcaa aaatattgga cctagcacag 780
aggaatcagg aaaattaatt tcagaaactc catttgattt ttcttttgct gtgtcttttt 840
gagactgtaa tatggtacac tgtcctctaa gggacatcct cattttatct cacctttttg 900
ggggtgagag ctctagttca tttaactgta ctctgcacaa tagctaggat gactaagaga 960
acattgcttc aagaaactgg tggatttggg ttccaaaaat atgaaataag gaaaaaaatg 1020
tttttatttg tatgaattaa aagatccatg ttgaacattt gcaaataattt attaataaac 1080
agatgtggtg ataaacccaa aacaaatgac aggtsccttat tttccactaa acacagacac 1140
atgaaatgaa agtttagcta gccactatt tgttgtaaat tgaaaacgaa gtgtgataaa 1200
ataaatatgt agaaatcaaa a

```

<210> 726

<211> 220

<212> DNA

<213> Homo sapiens

<400> 726

```

tgtctgtatt tatctcttct ccaaggaaac agcctacatt ttccatgtgt ccatgtttct 60
gaggccgtgg gtgacagtgg gaattgcact aatgggggcc caccaggcct gggggctggg 120
cttagcgcta gaccttgaac aaggcacttc acctgctggg ctccaatttt ctctctgtw 180
aatgaaaga kttgaactaa gtgatctcaa aagtttccaa

```

<210> 727

<211> 894

<212> DNA

<213> Homo sapiens

<400> 727

```

aattcggcac gagaggaaat ggcgtcgtgg cattgagggg catccctcct agaacctcca 60
ggaaaagctc gcggaagacg aggttctgcg gagagagagg ctccaagcag tctgggaagt 120
gtagtccagt tggcttagca gtagtttctg tgggggggag ccgaggttcc gggaaagggc 180
taggccggct tgaaaagaga ttatgactgt accttttaac tytgtagctg gaacacaaga 240
agtgtttgtt taatgaatga cgtacacatt taagatctgt ttggacgagg aggataatcc 300
tgtgaattgc taatagttca ctgggttttg cccttagtgt tgacttcagt atgctgagac 360

```

493

```

ggaaaccaac acgcctagag ctaaagcttg atgacattga agagtttgag aacattcgaa 420
aggacctgga gaccgtaag aaacagaagg aagatgtgga agttgtagga ggcagtgatg 480
gagaaggagc cattgggctt agcagtgatc ccaagagccg ggaacaaatg atcaatgatc 540
ggattgggta taaaccccaa cccaagccca ataatcggtc atctcaattt ggaagtcttg 600
aatttttagag atggattatc ttgcatgcca gagcgctgga atggaataaa atgatggcag 660
aagtacaaac cagattttaga gaattgagtg cttgcagtca agcagaatgt acctcctgca 720
gagacaaatc ttctgcatga gattactgat gcttcacttg cactctaagc tggaatccaa 780
actctgggtt gtctcttgaa aatttgactc tataaaactg atctgatttt ctgtttttta 840
aaataaatat attttttgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 894

```

<210> 728

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (753)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (829)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (832)

<223> n equals a,t,g, or c

<400> 728

```

gtgctcttgc tccagaaaga ctcactgctc acagctgccc agctgaaagc caagggggag 60
ctgagctttg aacaggacca gctgggtggt gggggccagc tgggagagct gcacaacggg 120
acacagtatc gtgaggtccg ccagttctgc tcgggctctg gccaccacct tgtgcgcttc 180
tacttctca ctctgtgtta ctccagtagc cttgaggatg ttctggaaga gctgacatat 240
ggacctgccc cggacctggt gatcatcaac tcctgcctct gggatctctc cagatatggt 300
cgctgctcaa tggagagcta ccgggagaac ctggagcggg tgtttgtgct catggaccaa 360
gtattgccag actcctgcct gctgggtgtg aacatggcga tgcccctcgg ggaacgtatc 420
actggggggt tcctcctgcc agagctccag cccctggcag gctccctgct gcgggatgtg 480
gttgaaggga acttctacag tgctacgtg gccggggacc actgctttga tgtcctagac 540
ctccactttc acttccggca tgcagtacag caccgtcatc gggatggtgt cactggggac 600
cagcatgcac accgccacct ctcacacctg cttctgacct atgtggctga cgcctggggc 660
gtggagctgc ccaagcgtgg ctatccccct ggtgagccct accataagtg ggggggtagt 720
gatgcactgg ggccctcaga ggacagggtc canaaacaga atgggacaca gccactcaag 780
ggaagtanag gtcccttgaa ggactcctgt ggcttctgca tgcaccttnc tnaaccctg 840
aga 894

```

494

<210> 729
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (696)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (708)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (728)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (746)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (751)
<223> n equals a,t,g, or c

<400> 729
caatgaacag acatttttata tcaactgtaga tacaaaatat taaagcagtg gtttcagcca 60
attaaatcaa tctgtgagag tggagcccag gcctgccatt tttgttaaaa gctccccagg 120
tagtttcta atgagccaaa gttgagaagc aaaagtattg taaattattt ctctcaaatt 180
tagagttatt acagttttata tcaaattcaa aatgcttaat ttgcttttgt gataaagagc 240
aatagaaggt ggtgagattt ctaaaaatta ggctccagg tatgcatttc aaatgtagac 300
ttcttaa atcgggatca gmttggtgctg cctargtagt ctgttttttt ttttaatgtc 360
atttacataa tcattttcca tttoctaagc acaaataag ttaacatctg agttagcttt 420
tgaaagacac ctttttgttg ggtarggact actgttata atcataaact garggttatg 480
acattctctt atacttactc caagatgcag aaactgcttt tcacatagtt ttactcatat 540
tttacaatgt gattaaggga ggctaaggta gtttaatttc atatatgtac attttttacc 600
taaaaatata tgattaaagg tattatttaa taataattaa aatccgtggg cacagttttg 660
aaccttcttt aacttttcag tttaagctgg gcccantgcc ttccaaantg ctgggattca 720
ggcatgancc actggttctg gccggnctac nt 752

<210> 730
<211> 1493
<212> DNA
<213> Homo sapiens

495

<220>
<221> misc feature
<222> (968)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (971)
<223> n equals a,t,g, or c

<400> 730
ccctccctcc ctccctcact gcttccctcc ctctctctcc ctctcccttt cttttctaca 60
ttgaaatctg ttcttacata atagagaaca gggctattga ataaagaccc aatcctacca 120
gatctttagt tctaaagggc aacttgactg tgagtaggag ggccccaag aaaggragga 180
aagtccacac ccagctaacc acacaacagg gcttcattat ggaaatattt taacaaaagt 240
acatgttatt accaaccaaa gagatgcatg tgcaatagaa gccttcctta aaaacaggct 300
aaataacctc attttatgca gcagttaaat ctgagaacag agggaaaggt gtgcagtggg 360
tccagagggg ccttatattc tatttttagt ctagatattt tttgtttata aattcccaag 420
gaattgttaa cactttgggtg acacctaattg gattcttttt gaaattccaa ggtgcttcag 480
ttctttgccc aagtgaactg tgccttttat tgcatttctg ttcgtctctt ggtggctctt 540
ctgacttttt ggagaatacc catcttggtg gaggcagact taagttgtta tgctgtgcca 600
cacaatttac tgagacaatc atatcttcct aagcatttaa ggaaagttga aaaaaataga 660
attagctata aaatatgtat ggacatctt gtttaatttt gcatgtaact tctcttttgt 720
acattgatga ggttttagtg acattgtcat ccaacacttt acctttattg ttcaggggat 780
gccttcgtga tttttgtac tggttttatt attcagacta tggcctggat ttgagtatat 840
tgttattacc acctggtttt ttaattattc atcccagtaa acttatattt tgtgaagcat 900
ttgtttctca gattaagaca ctgttagaac cttaaagtagt agctgatggg tatctgtgaa 960
ttttttntt nttttttttt ttacttgaag tagattgtct gaataggcat cctcatctat 1020
atttacccaa aacctcgctt actgtcatgt gcactacaaa ttgcaatttg gaaacctact 1080
gtattgaaat tctgtcagtt tatggttctt gaagactgat gtcctttccc aaacactggg 1140
tactgcagca gcatttttaa tgtgtaagtg aagaaaaaag gccactaagg ccaaagattt 1200
tttaagaatc attgtacaaa tcattatgtt aaactatcta agctttgctg taatactgtt 1260
ttctcttcaa tatgtgatgg tacaggaagg atgttaaattg aaggggtggg attgcaggag 1320
agcattttta atggcagaag taaaaagtta taatatattt aattttgatg ggtttaagtt 1380
tatttttgta gggaagattt ttctccccta aaatagtttc tagaatggca aaattgtttc 1440
cattattaaa aattgaagtt attagttaaa aaaaaaaaaa aaaaraaaaa aaa 1493

<210> 731
<211> 1057
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1056)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1057)
<223> n equals a,t,g, or c

496

<400> 731

```
gaaattatta aaaatttcaa ggtggtggtc atagagcatt aaaccaaata tgaggccatt 60
cccaacttgt tttccgaggg gaaaatggta atacttgtgt ggcacccggg gttaaacagc 120
agaggctcca tgtggccaga ggcagagatt agtatcctgg cactccagtg acccaactggg 180
tgactcactg atgccacagc acccgctagg aagctctgct gaaccttagt atttggctct 240
aaattttatg actccatgga gttcccgtag tccatggcta gttaggaaga aaggaggtgg 300
gataaggggtc aggcccaggt gaccctaag aaccaggaga tgggtaaaag ttttttttta 360
tattctgctt ttctgatctg tgagtacctg tttgtctcca ggccaaacct ttgggcttaa 420
atatcttttt cctagacagg tttttgctag tgttgaattt tcttcttctt ctggcctcct 480
tctgtgcccc tttccccaag cccaagactg cttacttcc aaagcaaatt ctagatagac 540
actgtattta ttggtatggg agtgggctct atgggggtgg ctgcacccat ctgggactct 600
tttcctaaa tcctgcacca aatgagtcag gaggcagggt gcacagcatt agtttcaatg 660
tggttatgca tcataagctt aacatcagaa tgaaaatgaa actcgatttt gatgtttctt 720
taaaacctt cccctgtcca atccactcgc cgcacctacc ttgaatagct aaagtctctt 780
atgaaacaga gaagagtgtg tgacgtctaa ctcttccat taaattaata agtactgacc 840
tcctaataat taagtgttta ctatctattg ctgtaaagtt ttgtatattt tgtaaacttt 900
tttcccaaaa tagtagatgt ctaaaatcat tgtacatctg attcttttat attccattgt 960
tcagcacaaa gtgtgggtttt tatttagaat aaaaaaagaa atttgaaatg aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaann 1057
```

<210> 732

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<400> 732

```
tnattatgag ctgtgtaacc ttggatacag tttcctcatc tataaagttg tgggtgggaga 60
atggctgaga acagtgatct ctgagctctc cagctgtaaa gatgttaatt atgattttta 120
ctctcaagat caggccacat aaggacaggg ggaattccag ggggtgggaca cagctggggg 180
agtccagacc agggcagggg aaggagactc acaagccaaa cagagctgct ttgggggaaag 240
ttcttatcag ctggtgctgc ttctgagcc atatgccc atctcaagct gtaccccttt 300
cttggctatg taggatgagt tcctcctagg cccttggttag gagggtgctat tggattctaa 360
gcggttgggg catgagggag gatattttta agggaagtat agctgatttt aaaagaacct 420
atacattcaa gaacaaataa aaaacagcac ttttctttac caaaaaaaaa aaaaaaaaaa 479
```

<210> 733

<211> 1519

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

497

<220>
 <221> misc feature
 <222> (19)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (26)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (27)
 <223> n equals a,t,g, or c

<400> 733
 gntccccgaa tctccctgna cctcgnggaa cccaacccca acctgggaac ctccccaaaa 60
 gtgctgggga ttaaccaggc gtggagccca accacgcccc ggccctctttt ttttttaagc 120
 tgccaatctt tttggaagga atattcttac ctctactttg tcaccttcta ctggctcctt 180
 aactaaaatc tgccatttgg ctctctggtt aacagtcctt tcctgtaaag tctaaaatct 240
 taattctaaa tccacagttt aattcacaag ctagtacttg actttttttc tgtatttgac 300
 atttttgaca acccctactt taaagattta ttcccttgac ttcttacatt ttgctcactc 360
 ctgaaccacc cccacacttt tggcctcttc atttattcct taaatgttat tcctcagacc 420
 tccatttttt ttttctctct taatcacaac accacttctc acgcttgggt aattttaatt 480
 cagcagttcc taaatcctta tctttagcca gactcctcaa tccatctgcc tgttgacttt 540
 ttcttggttg tcccagagac acctgtgtgt gtcttaaaac attcattctc tgcaaaacct 600
 actctaatac ctgtgtccct tactttggtt aatttttaga ccattatatt ctaagttttc 660
 taggctcatt cctctcctcc acctccctcct atcatttagt gtctaagttt tactgatttt 720
 atctccacct ctctgataca tcactcttcc atcttcattg ctattattaa taaataccta 780
 cagtactaac ctgcctccta tacctagctg gtctcctctc tgttgctcaa tgttaccaca 840
 gcaggctttc tagaagcact ctgacagtggt tactccctaa tatccttcag tgacttcagg 900
 aactttcagg agaaagccaa actcctctgt ttggtgtaca aggtcttctg atgtgtttcc 960
 tccaccgaat gttctggtga aacagactta cacttcttca gaagccacat ttggccaggc 1020
 ctcccgctt ggtaaagtgt gtactctttg catcaagtgt gctagtcac cttccccact 1080
 tggaaaattc ctatgcatct tgcaggcctg acataagcat ttccctctgtg aaacctcctt 1140
 tgctccactc aaggagagtc atctaacttc cactttcgtg tcaccactgt aattacaacc 1200
 tacctctatt gtatgtcact taaatcgtac tgtattgttt tatttttcaa aagtctttac 1260
 tagaatgtga gctccttaag ggcaggaaaa ggaacctttt tattttttgc atctccatag 1320
 catagttttt ggcatatgaa tgtttaataa atgtttgttg aataaattga ttttaaagtg 1380
 acatctttat tatattagag gtcctaccta tattccaaat actttcactc ccttcacttt 1440
 acagcaaggg tcagtagagt cccaaggatt tgtagacttt aggggggtcaa taaagctgaa 1500
 attgtattca aaaaaaaaaa 1519

<210> 734
 <211> 1449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1443)

<223> n equals a,t,g, or c

<400> 734

```

ggccttttct ctttcttaaa aaaaaaaagt ttgcattagt tactctaagt gagacattga 60
atggattaat ttatttactt ttttaattcaa atttctcttt tctttagccc attattccta 120
tgtttacaca aaatattcga gaaggattta gatcacttgg aggaacaagg ttatttaggt 180
ggctttatga aaaattccgn tatccatttg ctccaatgta tggagggttt ccagtgaagt 240
tacggaccta tttaggcgac cccattccgt atgaccaca gataacagcg gaagaattag 300
ctgaaaagac gargaatgct gttcaagctt tgattgataa gcaccaaaga ataccaggaa 360
acattatgag tgctttgtta gaacgttttc attgataaca aagggtcaac tagaagatga 420
tttagtacat ttatattaaa tgtttgtatc taagggtactg tcttctgaat tttgtagggtc 480
ctataattag tatttttttaa aaaaatcatg ttaataagca tctttcacag aattcgtttc 540
tttaaaatag tcaattttgt ttttgcaatt gtgtcaaata ctaacaaatt acacacctag 600
taattcagaa aaagatgtct tatttgtaaa ttcctaacaa tttatgctaa acatatagat 660
tcttaagttt attaataaca gcagtttagg ttaaacaaac attcctggat aatgcgttaa 720
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taaaataatt aatttaaaca atgtcaaaat ccttttagcag ttatgtatat attttctcca 1020
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aagctgattc taggctgagg aaagcaagag ttctctactt ttgctcaata ttgaggctta 1320
cccagtttga ctctacagct agtgaagygg tttattgctt caataaaaaat atacttgaat 1380
gatgaattta tttatgtttt gttttgtttt tatttagaga tgggggtttt ncaagttggc 1440
cangcctgg 1449

```

<210> 735

<211> 930

<212> DNA

<213> Homo sapiens

<400> 735

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gcggcagcag ctctctctct ctctctctct ccagaagtgg acttccctgt cccccaggc 60
agaggcagga gtgtggagtc tgtgcagagc cagccccagg agcccgtgag tgtgccccag 120
acactgacta gcacgctgga gcacattgtg ggccagctgg atgtcctcac tcagacagtc 180
tccattctgg agcagcgggt gacactgaca gaagacaagc tgaagcagtg tctggagaac 240
cagcagctaa tcatgcagag agcaacacca tgatcagggg agcaggaatc aggagctcgg 300
tggatttgca ggtggcaggc cagggatttg taccrtggga cttgggtaaa taaaggggac 360

```


499

```

tgaactctgt gggaatcaca tccatactgg agccctggat ttttgcagtt ctgccctcca 420
ccttgctatc tgcaccagga ggctctccac ctggcagcca gaggtcccca gtgggccggg 480
ctcacacaca aatgatgctt cagacccgaa tgagaggacc acattttgct taatgtaaaag 540
gagccacttg aaaatgtctg ctccctcggg gtcctgagat tgtggctccc cctctggagg 600
aggtggctcc acgatgcctt gatttttact catcatttgg acatgtgact ggcttttctt 660
acctctgcca tgggtgtagaa attgattgca cattgattgg atgagccggg ggtttttctt 720
aaatctgact aaaggcccaa agtgggcccc tctgagtcag gtttgttgag aacaagccct 780
ctcaagtggg tgggtggcttt tcagtggccc tgatttctgt tccacacgtg ttcactggag 840
ccaggtgact tctccttgc gtgagtgagg gcacaggaat ctcaaaatta aacctgactt 900
cattgcaaaa aaaaaaaaaa aaaaaaatct 930

```

<210> 736

<211> 914

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (894)

<223> n equals a,t,g, or c

<400> 736

```

ggcacgagct gaggcggcgc atgctggagg ctgccgactt cgcggtctgc aagcaccggc 60
agcagcggcg gaaggacccc gaggggaccc cctacatcaa ccacccatc ggtgtggcac 120
ggatcctgac ccacgaggcg ggaatcactg acattgtggt gttacaggcg gccctgctcc 180
atgacacggt ggaggacaca gacaccaccc tggatgaggt ggagctacac tttggggcac 240
aagtgcggcg cctggtggag gaggtaacag atgacaagac tctgcccag ctggagagaa 300
agaggctgca ggtggagcaa gcgccccaca gtacccccgg ggccaaactg gtgaagctgg 360
cagacaagct gtacaatctg agggacctga atcgctgcac cccagaggga tggtcagaac 420
atcgagtcca ggaatacttc gagtgggcag cgcaggtggt gaaggggctt cagggaaaca 480
accggcaact ggaagaggct ctaaagcatc tgttcaagca gcgggggctg acaatctgat 540
cagtgcctga agctatccag aggcacaact ccagcctcgt tcaggccgga caggattcat 600
acgccatctt ttctgtgtct cctgagctcc ctccatcctt cccagatatt agaggccaaa 660
aaaagacttg cattttttct cagtctgaag gtctcctgct aactaagctg agccccgcgt 720
ggtgggaatc agatgtaccc atccatttct gatgcaactc ccgcctctcc ccaagtcttg 780
ggtctgtttg ctattttgca tgggtgggatc tctggcccct cagggacttg agattattta 840
agtactagtt cctaacacgt tctggaaaat aaaaataact ctgggttaag gttnaaaaaa 900
aaaaaaaaaa aaac 914

```

<210> 737

<211> 1227

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<400> 737

```

gcaggaataa ttttaacta tttttgctgt aatgtgnagc tttaatgtct cttttcagka 60

```

500

```

yggacccata aaagtattcc tatatcttgt gaataaagat cattcttgtg gactagtacg 120
tggatgcatt cataggcttt gggaagcagt ggtgtgcgta tgtgtgtcta tatcaatatt 180
ttatgtttat aactctgcgt attaagttta tatagaaaaa aataatgtct ttcttttagtg 240
tttgggggac tcaatggtaa tatgaccatt gcagtgtaat ctgactgtc actctagaga 300
acacttctgt tatacacaat gcacatacaa acatacacc ctaaagcgta gctaactgct 360
cccactagat aattgctgct aaaaacaaaa caaacaaaa caatacaaaa caaaaaaac 420
cctaagtaat ggaggaagaa atagcattct tttaaaaggg gcttttctga agagtaaaat 480
gtaaatacag gacatgtggg gaggggtggg ccgcctgcaa aatgtcctga agatggacaa 540
atagcctttt aaattctact ttttaaccat ctttaccgtg tgtgcctatt tgtattgcag 600
atgtgaacta ctatttttgg aggttgatat cagtatgttt tgaaactgaa ttattacata 660
aaatcagagt aacctctttc tccatcctcc tttccacac tattcttgcc aaatatttct 720
actgaaaccc agtttcagca aggcaaaatg atgggactct caaacctccc tcctcatctt 780
cccttcccct ctgtcttatg cctggcctgg ccttttttgt tgttgttggc ttttcataag 840
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tttttttaaa atcttcggct acacagtaac atcaattaaa acagaagagt gagtctaagt 960
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gtagtcattg tataattaga aacaccaa atgtgaatcct atcactgtgt tcttgggggc 1140
caggccttgg atttggttgt catttaaact ccttgaagat tatatgtaat tataatgagc 1200
agaaggcaaa taaagttttt gaacaaa 1227

```

<210> 738

<211> 775

<212> DNA

<213> Homo sapiens

<400> 738

```

ggatcttcat gttttcacat cttgagatgc aatttgtagt cacaggctgt cattccaaga 60
cacacaaatg tcattaaggc aaccgcttaa aggagtgtga tattttattg aggtagacag 120
gacaatagat aaatatttaa tctgttacat gtttgcctg tgtggagcca gggttggggc 180
tgcacaactc tctggctgct atgtgtcttc ctggaaaccc tgtcaaaggc cttaccgcct 240
gcctggagaa acacagtgcc tgccttggc aaatatatgt tgggtgtatct gaaaaacagc 300
tcctggaagc tttttctcat tcaggcttta ggggttacc catctttcct tatgtgtgta 360
atattggaga atgtacactc tcaactgaact ggggatgttt gacttaaaat gatggacaat 420
aagatagtga gcagtaagtgt tgctctaggc taggctacga gaggccatga gctcctcatc 480
tcttctctgt tctgagctct ctgateccact gcacttgggg caggggggtgc attctctgtg 540
cctctcctga gtctactttc tgcactcattg gttctcccag ctactttcca taatgtctc 600
ctaggctgca ttggaattgt gtgttgtcta gaccatggc caagactgtc attgcctgtg 660
agggagacca agctcaccac caagggcttt tgccagattg ctttcattta cagaatttgc 720
ccattcatgt gtcttttgtgt ttatggatta aatggctttc tgaccagcaa aaaaa 775

```

<210> 739

<211> 1437

<212> DNA

<213> Homo sapiens

<400> 739

```

cgggtgtaccg tgtcttaaaag cccctgaaag awaacgctaa taamgcaaaa agcttactgc 60
tcaactaccat acctcagata ggggtccacag aatggtcaga aacctccmt aacctgaaga 120
atatggccca gttttctgtt ttattaccaa gacattaaag tagcatggct gccaggaga 180
aaagaggaca ttctaattcc agtcattttg ggaattcctg cttaacttga aaaaaatayg 240

```

501

```

ggawagacat gcagctttca kgcctttgcc tatcaaagag tatgttgtaa gaaagacaag 300
acattgtgtg tattagagac tcctgaatga tttagacaac ttcaaaatac agaagaaaag 360
caaatgacta gtaaacaatgt gggaaaaaat attacatttt aagggggaaa aaaaacccca 420
ccattctctt ctccccctat taaatttgca acaataaagg gtggagggtg atctctactt 480
tcctatactg ccaaagaatg tgaggaagaa atgggactct ttggttattt attgatgcga 540
ctgtaaattg gtacagtatt tctggagggc aatttggtaa aatgcatcaa aagacttaaa 600
aatacggacg tacttttgtc tgggaactct acatctagca atttctcttt aaaaccatat 660
cagagatgca tacaaagaat tatatataaa gaagggtgtt taataatgat agttataata 720
ataaataatt gaaacaatct gaatcccttg caattggagg taaattatgt cttagttata 780
attagattgt gaatcagcca actgaaaatc ctttttgcat atttcaatgt cctaaaaaga 840
cacggttgct ctatatatga rgtgaaaaaa ggatatggta gcattttata gtactagtgt 900
tgctttaaaa tgctatgtaa atatacaaaa aaactagaaa gaaatatata taaccytgtt 960
attgtatttg ggggaggggaw actgggataa tttttatttt ctttgaatcy ttctgtgtct 1020
tcmcatTTTT ctacagtga tttaatcaaa tagtaaagtt gttgtaaaaa taaaagtggg 1080
tttagaaaag tccagttctt gaaaacactg tttctggtaa tgaagcagaa tttagttgg 1140
taatattaag gtgaatgtca ttttaaggag ttacatcttt attctgctaa agaagaggat 1200
cattgatttc tgtacagtca gaacagtact tgggtttgca acagctttct gagaaaagct 1260
aggtgtttta tagtttaact gaaagtttaa ctatttaaaa gactaaatgc acattttatg 1320
gtatctgata ttttaaaaag taatgtttga ttctcctttt tatgagttaa attattttat 1380
acgagttggt aatttttgct ttttaataaa gtgsaagctt gcttttttaa aaaaaaa 1437

```

<210> 740

<211> 1389

<212> DNA

<213> Homo sapiens

<400> 740

```

gggacggcgg gcacagcgca gcactccccg ctcgttggcc cgggtatccc agcgcggacc 60
cacgcgatac gctgaagccc cgacgccgat cggcccgagc caagactcaa cgatgactct 120
gaataatgtc accatgcgcc agggcactgt gggcatgcag ccacagcagc agcgctggag 180
catcccagct gatggcaggg atctgatggg ccagaaaagag ccccaccagt acagccaccg 240
caaccgcat tctgtacccc ctgaggacca ctgccgccga agctggctct ctgactccac 300
agactcagtc atctcctctg agtcagggaa cactactac cgagtgggtc tcatagggga 360
gcaggggggt ggcaagtcca ctctggccaa catctttgca ggtgtgcatg acagcatgga 420
cagcgactgc raggtgctgg gagaagatac atatgaacga accctgatgg ttgatgggga 480
aagtgaacg attatactcc tggatatgtg ggaaaataag ggggaaaatg aatggctcca 540
tgaccactgc atgcaggtcg gggacgcata cctgattgtc tactcaatca cagaccgagc 600
gagcttcgag aaggcatctg agctgcgaat ccagctccgc agggcccggc agacagagga 660
cattcccata attttggttg gcaacaaaag tgacttagtg cggtgccgag aagtgtctgt 720
atcagaaggg agagcctgtg cagtgggtgt tgactgcaag ttcacgaga cctctgcagc 780
tgtccagcac aacgtgaagg agctgtttga gggcattgtg cgacaggtgc gccttcggcg 840
ggacagcaag gagaagaatg aacggcggct ggcctaccag aaaaggaagg agagcatgcc 900
caggaaagcc aggcgcttct ggggcaagat cgtggccaaa aacaacaaga atatggcctt 960
caagctcaag tccaaatcct gccatgacct ctctgtactc taggaacca gggtcacca 1020
gatgtccctt tgatggccgt tgttgaaggc cattgggacc aataatctat attagattga 1080
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aaagcctgac cttgctattt gaacacccaa gactctttag aggatgtgtt tgggtgtcac 1260
atgkgtttty tyatttttgg atagtagrga agtaaagctt acaagaatg cctagaacaa 1320
gaacttttca tcattaaaaa tttttcccag tgtytgaaa aaaaaaaaaa aaaaaaaaaa 1380
aaaaaaaaa 1389

```

502

<210> 741
<211> 852
<212> DNA
<213> Homo sapiens

<400> 741
gtttcttgcg ggggataaaa aagggttg gagattcatg cgatgtgtcc aatcggagac 60
aaaagcagtt tctctccaac tccctctggg aaggtgacct ggccagagcc aagaaacact 120
ttcagaaaaa caaatgtgaa ggggagagac aggggccgcc cttggctcct gtccctgctg 180
ctcctctagg cctcactcaa caaccaagcg cctggaggac gggacagatg gacagacagc 240
caccctgaga acccctctgg gaaaatctat tcttgccacc actgggcaa cagaagaatt 300
tttctgtctt tggagagtat tttagaaact ccaatgaaag acactgtttc tctgttggc 360
tcacagggct gaaaggggct tttgtctcc tgggtcaggg agaacgcggg gacccagaa 420
aggtcagcct tctgaggat gggcaacccc caggctcga gctccaggta catatcacgc 480
gcacagcctg gcagcctggc cctcctggtg cccactcccg ccagcccctg cctcgaggac 540
tgatactgca gtgactgccg tcagctccga ctgcogtga gaagggttga tcttgcattc 600
gggtttgttt acagcaattc ctggactcgg gggtatttt gtcacagggt gggtttggtt 660
taggggtttt gtttgttggg ttgtttttt ttttttgggt ttttttaatg acaatgaagt 720
gacactttga catttcctac cttttgagga cttgatecct ctccaggaag aaggtgcttt 780
ctgcttactg acttaggcaa tacaccaagg gcgagatttt aaaaaaaaaa aaaaaaaaaa 840
aaagaaaaaa aa 852

<210> 742
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<400> 742
ggcacgagaa gccctggaca catggatttg agtcctaact ctgtctctta gatTTTTgta 60
tgcagtttta ggtcttatgg ccagagagat ttgaagatat ttaatatctc taagctgcaa 120
tctttatctg caaactgggg ttagtaatcc aatcaacctt attgCGGata ttgtaagaaa 180
aaatgagatg acaagtgtaa aaactcagaa ctatacttac aaggtaagca gacaaaatat 240
gctattgttg tgattgtttt ctctctgaat aaataaactc tgctgaagaa tttattagat 300
atgtttctcg aatcgagaat ncagttccag ctctcatttc tggcactgac atattggcca 360
aatatgattc tnatacaata atcagctgct ttgctgtgag ccttgagtg gtcagctgtt 420
gatggmctgc ttgtattcct attcag 446

<210> 743
<211> 892
<212> DNA

<213> Homo sapiens

<400> 743

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aattcctaaa attgcaaata atactcaact atgaagaatt ttattagtta cagtgtctatt 60
aaagaatatg tgctcctttt tattatatta tcagatactt atgtttaatt gtacattttt 120
taaatcctga atatatgtg ttttgtaaac aaatgtaatc agtggaaccc ttcttacgtt 180
ttgattatta gcagttaaat acatttttgta tacatgaagc ttagattaat tcccatcatc 240
atcatctcct gtttttatat gtgtccctat gtgtttcatg cattcctctt tgatcagatt 300
ggaatttgag ttaaaattta gctttgtaca ttacgtgtga gagttacaga ctagcaagtc 360
taattacttt gccttacctt gagtgtatgc cacagggtca gataacacat taaacattta 420
gttacctggg attactcttc caaagctgac ctccctgctaa tgttcagagg taactgcaat 480
ccggaagaaa ataatatcac tgcagaaaga atgtgactct aaaaataaac caggacctcc 540
ctgtgatttg ccttgccctgc agatgaccag ttgactcttg tgctgtcagc cctgggggtg 600
ctaaggaagc tgcttcaggg agttgggggt tagttgcccg ctctcaacag gaatgcctcc 660
tctactttgt cagagatgct gaacaaatat caaactctgt ggcagtcag ctggcctcct 720
aagaataacc tgtgagtcag agttgatgca cattattttt gtttttattt ttttttttta 780
aggaactgct ccaagggttc attatagaac aggagtgtgt acggaggact taggtcccca 840
catagagtgg ccgttctgta atgaaccctt ggagcagttc cttaaaaaaa aa 892
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<210> 744

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (683)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (692)

<223> n equals a,t,g, or c

<220>

<221> misc feature

504

<222> (694)

<223> n equals a,t,g, or c

<400> 744

```

tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt ccgatttcaa aagctaatac 60
tataatacat ttccataaaa atgatgtttt aagggtaaaa gaaaagaagt aagctatttt 120
cctagataaa gctgccccagt ctaacaagac ataaaacatg tttttcggcc taggnttntt 180
atcaatttag agtggtaatg ctgggtcaga tgttttgatt aattaatctt tgattaataa 240
gtataagana gctaattatt agaagagaag gttgttttat aaacatcatc tttcaaaatt 300
cgagatttat ggggaataaa ttaggagaag gtggttaaac ctcttcaaca ataaattgct 360
ctttggggac attttatgca cagaactgtg caccctcctc agaacagcag gtctttaatg 420
gcccatgtga tgagaagggc cccatcaagg cagcaggaat gggccactct cccacacccc 480
atggggcagg ccactgccac tctgtctgcc ctgcatcccc aggtttatgg ctgcatggta 540
gaagtcactt ctgtaagaaa ttcaccttct taaaataaag tatgctcttt tttctgagac 600
atctatagaa taacttgtgg cagagtgttt taaaaactga tttggatttt ttttatcctt 660
taaccctgtg gaaaggatgg aanggatatt angnggaaga 700

```

<210> 745

<211> 442

<212> DNA

<213> Homo sapiens

<400> 745

```

agcgagaggg agaccaggg ggctgaaact tgaactctgg ttctttttaa attaatTTTT 60
gttggtgttg ggggagggc gagtgctgtg gagaagaacc gaccacccc gcgcaagggg 120
aagcctcctg tctccccttt ccccgctcc gagraggcgg aaaccacag tgttacctga 180
cttatgaaac ttgaaaccgc ctctggagcc gccattctgc agagtatttg gaaaaagaaa 240
aaagggttta tgcttacgtc tctggggctg gggggattat gtcacgagcg ttcaaactgc 300
tggaatctc aaaactgtac tgtctttatt tttgtatatt gtatttatat ataaaaagaa 360
acgtctacgt atgcatgcta aattattatt tagcgtctcc catcgccac gatggaatgt 420
aaaataaatt ggTTTTgtac tg 442

```

<210> 746

<211> 1329

<212> DNA

<213> Homo sapiens

<400> 746

```

tttactccag gtagatttcc acaatatgca aagtgggtgt ggggtcaaga cagatgacac 60
cagcacttta aactctttgt gtgggtatgc gtgggtgtat gtttggaag aaaaacaaag 120
gtgcagacta tcttctttt tttcttcttc agcctccatc cctggcctcc tcccctcaca 180
cacactggac ttggtacaaa atgtcgggtgt ggtcctagat gaagcattgg ggtgggggag 240
ggagagggag ctttgtgtta agtgcctact ggaaatgcac tgtggggttt tttcctgtat 300
gggaaaccat ttatgccaag cttttcccca tttcccatat ttatctcatc tgggttagctg 360
cctctgcttc cagctttgtg taattctctt tgccagctgc acaaagctga ttttttccaa 420
agtctaaaga ctgagctcac ctggctagat tgttgtgtgt tttgttgaat tttttcataa 480
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catactgtat tttgtttgca ttaagtaatt ttctttttga cttagtatcc ggcacacaaa 660
gtgggttagt actacagtat ttgcgttact ttaagtacta agtatgcagg tttcctggta 720
ccattgagtt gctgctatta aagctcacac acgaaatggc taaaagttac aagtgtgcaa 780

```

505

```

attatgactg cgtgagcctt agaaaataaa atgtataaag ggcaacacat gasctgtcaa 840
acagtgttag gagtgtgttt atatgtacag agttgtgcat agcaatcgtt ttattttaagt 900
tgatatgtag tctactcaca tttycattat ttagcaattt tgtacaaaaa tagcmattaa 960
tttgtaaaca ctgccagaat actttctagc tgccttgtaa ttttttaaga gtgttatttt 1020
gtttttgttt ttctgttctt tgttgtggct cttgttttca tttttgttgt acgtgtagat 1080
ctgtaaataa aattgcagta tttaaagctt aagctttcag gaaaaagaaa ataagaattc 1140
agtgtgtgca tgacaactcg tgtgtatgag aaggagggat atgaaggag atggcttgca 1200
gagtaagtcg ggtggcaatt gtcaggggtg gatcttacca cttcaaatgg gtgtaatttg 1260
aataaatttt gtatggtaaa ggatcaataa aatgattttt ttttaagaaa aaaaaaaaaa 1320
aaaaaaaaa 1329

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<210> 747

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<400> 747

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gagaacttct gaagtgggtg atcaagtaca attctaataa gggaccaggg taagtgactt 60
ggcaacaatt tccttgggaa gctgccaaaa tcttatcttc agtctcaaaa ctcttatctg 120
cagtcatagc tagtctagaa aggtaagtct tgatttctta gctaaatgag taaagtttgt 180
attctacaaa gaaaatagaa tacnaataaa aataataatg gagaagcaaa cttaaattc 239

```

<210> 748

<211> 1589

<212> DNA

<213> Homo sapiens

<400> 748

```

gcttttagaag aacattttcta gggaataata caagaagatt taggaatcat tgaagttata 60
aatcttttga atgagcaaac tcagaatggg gctacttgaa gactctggat ctgctgactt 120
cagaagacat tttgtcaacy tgagtccctt caccattact gtggtcttac ttctcagtgc 180
ctgttttgtc accagttctc ttggaggaac agacaaggag ctgaggctag tggatgggtga 240
aaacaagtgt agcgggagag tggaagtga agtccaggag gagtggggaa cgggtgtgtaa 300
taatggctgg agcatggaag cgggtctctgt gatttgaac cagctgggat gtccaactgc 360
tatcaaagcc cctggatggg ctaattccag tgcaggttct ggacgcattt ggatggatca 420
tgtttcttgt cgtgggaatg agtcagctct ttgggattgc aaacatgatg gatggggaaa 480
gcatagtaac tgtaccact gtgaaccag aaatgccaca ccatggaagc cacacactct 540
gctgtctcct tctgtcctca ttctgtcct tctcacagtc agtccctctt ggctcttcct 600
agagtccctt tcattccctc atttccactt cctgccgctg tactgtcacc tgtggcctgg 660
atgtgcactc ttggtccaac accctcaact ycaacacctc tgtctttctg ccccatccac 720
tagacaaaag ctgactctgg aaaacattag gcaactcagaa tcaagggttc tggggtcaga 780
tggaataatt ccatcatcct caccaagttg ccaactggact ttcttgcccc taaatccact 840
gggcatttca ttgctacctt tcttgacttc ttgattgttt ttgtgatact gacacatccc 900
ccctttcaga acaccctctg cccttggatt ctgtgcacag gaagctagtt gctcccctga 960
atacactctt tcttccttgt aatacagcct ctgattttga gcccaagaat aaagactaca 1020
gttctcagac tccttcgcaa ataaattttg tgactaaact ctagtcaaca gtaagggtcat 1080

```

506

```

gtagcagctc ytggaatct cctttaaaaa gagagcttgt ttataacctat tgksatctct 1140
gttcttctgt gcccctkctt ccattttgct gcctggaaag cagatgtgat ggctgkaatt 1200
ccagtcacca ttttggaacca tgaggacaac accctagaga tgtggagtgg ctaaaagaag 1260
cctgtgttcc tgagaactta gaggaccagg acctctattc caggcttggg cacctacatt 1320
tagactatta tatgaggaag caatcaactt ctcacttggt tcaaccactt tcacttgcag 1380
tcaaacctga attgtaagt aaattgcttt cctgatagca aacctgttgg attttctcca 1440
gaatccctgg gccactttta gcagtcagat tcgtctaata ctcctttaa gatggtggca 1500
gtgaaactgg tacatgggac ctgactgggc tttgtttgca actttctgat aatttataat 1560
tatttcaaaa taaaaaaatt taaaaata 1589

```

<210> 749

<211> 633

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (627)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (632)

<223> n equals a,t,g, or c

<400> 749

```

attcatacta gcatgctcat gaataaggca atgtgttaag cactggcata caaatgcagc 60
taaagggtgct gaaggaaggc agtgggggtgg tgcaggcaca cagcagggag ctcttccccg 120
tgacacgtta gtcattctct ccacagagca scaccaasw gccttccttc agcaccttta 180
gctgcatttg tatgccagt cttaacacat tgccttattc atactagcat gctcatgacc 240
aacacataca cgtcatagaa gaaaatagt gtgcttcttt ctgatctcta gtggagatct 300
ctttgactgc tgtagtacta aagtgtactt aatgttacta agtttaatgc ctggccattt 360
tccattttata tatatttttt aagaggctag agtgctttta gcctttttta aaaactccat 420
ttatattaca tttgtaacca tgatacttta atcagaagct tagccttgaa attgtgaact 480
cttggaatg ttattagtga agttcgcaac taaactaaac ctgtaaaatt atgatgattg 540
tattcaaaag attaatagaa aataaacatt tctgtcccc tgaaaaaaaa aaaaaaaaaa 600
aaaaaaaaa aaaaaaaaaa aaaaaanaa ana 633

```

<210> 750

<211> 967

<212> DNA

<213> Homo sapiens

<400> 750

```

gggaggctct gaggaccaat tggaagacc agcactaagt ggtaaggctt gggagtgtga 60
aatggggagg aggggctggg atcttggtgg gtggggccag gccctgagtc cctctctgct 120
tgcttttcag agcctgggga ggaacctcag crcccttccc cctctgagcc tggcacatag 180
gcaccagcc tgcatctccc aggaggaagt ggaggggaca tcgctgttcc ccagaaaccc 240
actctatcct caccctgttt tgtgtctctt ccctcgcttg ctagggtgc ggcttctgac 300
ttctagaaga ctaaggctgg tctgtgtttg cttgtttgcc cacctttggc tgataccag 360
agaacctggg cacttgctgc ctgatgccca cccctgccag tcattctctc attcaccag 420

```


507

```

cgggaggtgg gatgtgagac agcccacatt ggaaaatcca gaaaaccggg aacagggatt 480
tgcccttcac aattctactc cccagatcct cccccctgga cacaggagac ccacagggca 540
ggaccctaag atctggggaa aggaggtcct gagaaccttg aggtaccctt agatcctttt 600
ctaccacatt tcctatggag gattccaagt caccacttct ctcaccggct tctaccaggg 660
tccaggacta aggcgttttt ctccatagcc tcaacatttt gggaatcttc ccttaatcac 720
ccttgctcct cctgggtgcc tggaagatgg actggcagag acctctttgt tgcgttttgt 780
gctttgatgc caggaatgcc gcctagttta tgtccccggg ggggcacaca gcggggggcg 840
ccaggttttc cttgtcccc agctgctctg cccctttccc cttcttcctt gactccaggc 900
ctgaaccctt cccgtgctgt aataaatctt tgtaaataaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaa

```

<210> 751

<211> 695

<212> DNA

<213> Homo sapiens

<400> 751

```

attcggcaga gstgagtgga taggaggtgc agcagtcttt gggtagcagc ctactcaaga 60
aaagaatgat aattacatac tcacaatctt tagccatcaa gcatttattt cctcaactcc 120
ccctccccct ggcctattgc caaacccata atcctgtatc ctatttactt catgcctgtt 180
ggttactaag tagttccatt tagagtacac attcattgtt gccttgaact tgctctgctg 240
ttatggcacc tgaaaactag atgttcttgg atgggggtct tccttcatca aagcttcttc 300
ccatttgtac ttcagttcta ggacaaggca agargaaagc aagaagctgt aaatccatt 360
cctctgggtc tcaatttcac cctcagttca aggagctgag taggcagagg caaaggctat 420
actcaacaca cgtgcaattg aaagcaggcg aggcaaaacc agggcagagg aaaggaaagg 480
ggtgtgtgta ggtatggatt tatgggtagg tgggtcggtg ggtaggtga agaggaggtt 540
ctaagcagta taacctaagc ctcttttctc tttcttctgc ttcaaacacc ttaagaactg 600
ctcagggtag actggagaca aaagcaacag ctcagaagtg ctaaattctt aagagcagcc 660
aaagcatggg caacaaagtg agaccccatc tctac

```

<210> 752

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<400> 752

```

aagcgccgt gaaagtgttg tgctatcgac aacggtatgc aggccgcctt ttttacgcgc 60
ccagctgacg ggtagccagg tgcaaccatt aagcatcgca atctgttgct gtgccagttc 120
agcagaactg swtgtcagaa tgggcacttc gtcagcaccg atcaaacctg cctcatgctg 180
ttgaaaatct ggccccact caagtcgcag ataattaaga tctcccttta gttttgaagg 240
ggcactggta taaagcgcta aagtgaata tcccagcaac tgactactwa aattcgtcca 300
ttttgggcgc ttcagtggtg aataaggaag atcaagctgg cgttcatgca gctgttttac 360
cagagactgn ccgtttgggg caatttcggg

```

<210> 753

<211> 508

508

<212> DNA

<213> Homo sapiens

<400> 753

```

gcctgactgg ttcacccctcc ccggaacttc ctagacgcgc tacgtgccag atggtgttac 60
ctggagctta aaaagctgca cgcaagtgtt aaacttctga caatggccaa gaacaaatta 120
agagggccga agtccaggaa tgtatttcac atagccagcc aaaaaaactt taaggctaaa 180
aacaaagcaa aaccagttac cactaatctt aagaagataa acattatgaa tgaggaaaaa 240
gttaacagag taaataaagc ttttgtaaat gtacaaaagg aacttgcaca tttcgcaaaa 300
agcatttcac ttgaacctct gcagaaagaa ctgattcctc agcagcgtca tgaaagcaaa 360
ccagttaatg ttgatgaagc tacaagatta atggctctgt tgtaatatat tgggtgatgca 420
tctaattctc cacaaagacc aataaattga atgttttata caattttaaa atcttgttta 480
tgtacgggct tgggcacttt ttaaaacc

```

<210> 754

<211> 1162

<212> DNA

<213> Homo sapiens

<400> 754

```

tagttctaga tcgcgagcgg ccgccctttt tttttttttt tttttttttt ttttttaaag 60
agagtgtgta tgtacttttt ctctctataa gggccagggt gttggtcaaa ttcaccatcg 120
attaatttat atcttctgtt gtgatttttt tcaactatat aacaagtgcc aactaattgt 180
ccatgggaca atctactttt ccactcaatt tatcgttttg agtagggaaa ggttcattta 240
ttttcattac ctggcattaa gttaaagaat tcattatttt gcatacattt gagtcattct 300
gtgacctata aagtgttttt gtaactatct aattctaatt gttgcaaagc aaagcacatg 360
actgtaaaac caagcaagggt gtttttagtaa ctttttcctt gaatacttgg tagtttccat 420
tgatactatt ccaaaacaaa ttctgctgtt ttaggttgta tatttacttt gcttttggtc 480
taagaaaaag ccaaggacta aatcaacttg tttttgtgtt tcagtaatca gtttaaaatc 540
taagattttt ttttaaatga gactatttaa tgaagtgcc tgaattgta gcttgctagt 600
gtttaatgtt taatagactg gttctgtagg tgttttaacc atttaacact ctctgccatc 660
cctggagaaa gtggttctac tcttactgaa cacattctct ctgacaaaat caccagctgc 720
tttatttttc tatttattac agttaaacag ttgatgaggt ctgaatcttg accaaaactg 780
ctcagctgag atgtttttca caatagacac tgtacaaagt gtgcgtgcaa aaggacacgg 840
ttggtagtat tttttcatta atgtgaacat tgactaaaaa aaagcagtc tgccttttaa 900
atcttgtggc agctcagaag ggaggtgctt aagaacctta actactatgt cagataacaa 960
aatatttttt tccatttttg agattgggta ctgctcacac atgatgtata gggctaaata 1020
tatgcttggt tccttgacc tgtgtacttc ccctctctcc ctccctttcc tccccctgta 1080
ggcaataaat ggccattttg caactgcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aa

```

<210> 755

<211> 1087

<212> DNA

<213> Homo sapiens

<400> 755

```

gccacgcgt ccggcgtctt gwggctgagg cctgcccctc agcctcctcc gcgcgggttac 60
ccctgtaccc gccgccatcc gtcctggcgc tccggatgag tcaatgaggg gcagggcccg 120
aggagtggtc ttcccaagaa cccctgggtg cctcccaagg ccggtgctgt gtacctctc 180
cccgacaaaa ggggaaactg agggcccgag gggagtggga agagccggct ggacgtcagg 240

```

509

```

cccagccgct ggtgcagtgg tccgtccctt ctgccggggt gggccctcg ggtttcgcgt 300
gtcctcggga aagagactgg cgggcctcgt gggctgtgcg gctatcctgg agacagatga 360
cagctctccc twggatggct ttgctggttc cgcaccagcc agcgcccca ttttccctgc 420
agcacctga tctgcactcc ctgaggggct cccactgtcc gcggtgtgag gatgtccctg 480
gatagtccac tgtgtgcaga ggcattggag ttgtcatgtt gggaacatgc tagacctcag 540
tatccttgag ggatgctgcc ttgggtcttg aaactgttag aggaacccc aagaggtgca 600
gscactgagc ctctcaggac aatgacctgg ggtcccagct cccctggagg ggcctcctca 660
tgattgtttg ggggttgatc acagaccaag agtgacgagt gatgtcacc tgtgactcat 720
ggccggacct tcttgcctct attgtctcag cacaacatta ttcgactttt cctcagcgt 780
gggtgggcag aggaaaagcc ctgtggctct ggggacttgg gatccagagt tgaagacct 840
tcagctggct ctgccctgcc agtgccacag agtgccatgg cccaggaaga caggttttct 900
tccatctagg ccaggccatc cagtggccat cctccgtgtc ctcccgcctc ctctgggtgt 960
gacttctgaa aaccaagaat ttgttctgt tgactttttc tgtgctatgg accattgtcc 1020
tctcacccac tcaataaatc ttgaaacatg maaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaattac 1087

```

<210> 756

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (773)

<223> n equals a,t,g, or c

<400> 756

```

gacgggtcat gagcgcggtg ttactgctgg cctcctggg gtctatcctc cactgccag 60
gagtgcaggc gctgctctgc cagtttgga cagttcagca tgttggaag gtgtccgacc 120
tgccccggca atggaccctt aagaacacca gctgcgacag cggcttgagg tgccaggaca 180
cgttgatgct cattgagagc ggacccaag tgagcctggt gctctccaag ggctgcacgg 240
aggccaagga ccaggagccc cgcgtcactg agcaccgat gggccccggc ctctccctga 300
tctcctacac ctctgtgtgc cgccaggagg acttctgcaa caacctcgtt aactccctcc 360
cgctttgggc cccacagccc ccagcagacc caggatcctt gaggtgccc gtctgcttgt 420
ctatggaagg ctgtctggag gggacaacag aagagatctg cccaagggg accacacact 480
gttatgatgg cctcctcagg ctcaggggag gaggcattct ctccaatctg agagtccagg 540
gatgcatgcc ccagccaggc tgcaacctgc tcaatgggac acaggaaatt gggcccggtg 600
gtatgactga gaactgcaat aggaagatt ttctgacctg tcatcggggg acaccatta 660
tgacacacgg aaacttggtc caagaacca ctgattggac cacatcgaat taccgagatg 720
tgcgargtg ggcaggtgtg tcakgaracg ctgctgctcc tagatgttag gantcacatc 780
aacctgggtg gggacaaaag gct 803

```

<210> 757

<211> 796

<212> DNA

<213> Homo sapiens

<400> 757

```

ggcacgaggg aagaagaaaa aaatggatgt tggaaagttg twgcatgtct ctctggatag 60
ctcagaagta tcagttgttg ttattscctc acttggtttt tgtaagcatg aaaaagccag 120
ggacaatttc aactaccatt tctgaccatc atcaaccaca aattttaggc aatttggttag 180

```

510

```

aattttttttt aaatgttctt aatagttgtt gggtagcttg gagatttcag agaaagtaat 240
caccttttga tatattatta atgtgtttat aatagaaatt aaattctttg ggatgtacag 300
gtaagataag ctatgtgaag catagctgtt atccaagtcg tgtgcctttg aaatacttgg 360
aatttgaaga acaggacatg cagcttatgt tataattaat ttgcgagcaa tatatggcat 420
gatagtattt tcttatctaa attctgagtg cattgaaagt ttaaagcaaa ggacaaaagc 480
ttccttttgtt catggcccat attccagtat atttttctga aactgccaat attttctgat 540
cggtagctttc atttttctag ttgggtacca aatactgtta ttggtattat ttctatataa 600
aaggctttta gaagactata gtataatttt ctttaagaaaa aagacatgat tataagctaa 660
aatatgcctt cggttttgtg tgctacaaat tgagggagat tgagaatatt ttaaatacaag 720
ggcmgacatt gagtaaaagc ttatgacttt ggatggattt gaaacaygat taaatgacag 780
agtaaataaa aaaaaa                                     796

```

<210> 758

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<400> 758

```

aattcggcag aggggttagaa tcagtctaga aatcatgtca aattcttatt acttgctatc 60
aaactagctg gttcaattcc ttattagtga tctgcaataa gataaaatct tgtgctacaa 120
cataaagcaa ctatctcaat aaacacagtt taattcagct aactttattt ttttttgtag 180
caagawtttt tcagtgaat aagtgggtgtg ttgatttata gtttgggtgca agctccctat 240
cttcttgcag acctataacc attgtgccag ngggtaagaa atgggtcccca gccccttcac 300
ccgtggcact gnccncaca gggaaccctt ttggc                                     335

```

<210> 759

<211> 1019

<212> DNA

<213> Homo sapiens

<400> 759

```

gtgggtgagct gagatgacgc cattgcactc cagcctaggc aataagagca aaactctgcc 60
tcaaaaaaaaa aaaaaaaaaa aagtctaaag gcttaaagtt tgatgcagct acctgaaatg 120
atcttttatt tatttattat tagaaaaagc aaaggcatat gggcattgct tattagtgtt 180
aattctagag actagatctt aaagtagtgg ttctcaaagt gttgtgccc caccaacatc 240
agaatggcct gcaaacttgt agcaaactct ggggaggagg ccagcattct gtattttaac 300

```

511

```

aagcttccct caggagattm tgatgcctgc taaatTTtgg gaaccactgt tttaaaggaa 360
actTTTTttt tctttaatag catttaattg tatgasatga ttgctTTttac atgtgatttc 420
cttgcaaagt ttctgaagtt gaggcacac caacaagtc tgaacaattc tttatgtgat 480
ttatTTTTta agtagacctt ttgaagagat ctatgaatgg gatataaagc aattttcagt 540
gttacagggt ttcttcttct tctcaaaact gtttgcgtga agtaactgca atcagtactt 600
actactttcc atttgcttat gagtttcttg acaaatcaag gtgtagaaaa ccagttatta 660
agtgattttg tactttcctg gtagttgtca ctaaaataat ttttgtggca tataaatata 720
tttaataaaa tgcaaaaatt atcttcctgt ctagtagaaa aaattacatg agtaaagtga 780
agcttctgtc tttgttactg taccaggtga caacagmtga gtgtccctcc atggacagtc 840
actattggcc ttttgagtga gacagttctt taggataaaa rcctgtcatc ccattgcagg 900
attcatttag cctttctggc ccttaccas tgatgctagt cattgtgacc accccacctc 960
ccccaaataa aagtgtgcca aactaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1019

```

<210> 760

<211> 1504

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1441)

<223> n equals a,t,g, or c

<400> 760

```

ggtcgccgga aactccgggc ggcggaggct ggaccagagt cgagttccct cctcctgcac 60
caaagggagc cgccaccgtc tgggtgtctaa accgcctcgg ttccagaaag ctgagtcgtga 120
tctggattac attcaataca ggctggaata tgaaatcaag actaatcatc ctgattcagc 180
aagtgaagctg tcaccactga ctaaagaaga gaaaactgcg gcagagcaat tcaaatttca 240
catgccagat ttatgaagaa atggacttgg aaaggaaatt ctaacagaga agagcttaat 300
tccggagaaa ttttaggaaga tgtcttggtta acccttgatg tctagagatt gggggctggt 360
gaagggggtt tggcttcaat gactggataa tgatatcttt catgagagag attataagaa 420
gaagggcaga taatatatga ataaagtcca gccaaaagga tcaaatgaga ataaaacgat 480
ttaaatatat gtacacacgc atgcacacac acacttagtc ttgtaatttc aggccagaaa 540
ttctcaacac tattttgcat ctgttttctt tttctaagtc atgataatat agatgttctg 600
gtctatcata aaagaatggt tatgtacatt tcagtcattc ggtatgtggc tttgtaaatt 660
aaagtatagg caaaacattt gtgttataca tgatatataa tttcattttg taaatgttga 720
ttgcacatgt ggtcacatta ttgttgagac tgctttttatg tgacctgtag tctcccacag 780
aacctaaagt aataagctgg cttttctgtg atagccacgt ttgcgtattt ctttccctat 840
ttcccttgcc tgctaattgt gaacagcatg aacttgcttt ctgatgctgt tttagactgt 900
ccctgttgta tctcaataat atctttgttt tcttcagcc tttattacta taattgttca 960
ttctacatga aagctaggaa actgraatta gaagagcact tatctgtctac ttgccagttt 1020
tgcgtgagtg tgttatatgt atgtgtcaat ttccctttta aataactatt tattttaaaa 1080
taactatttg caataaggaa actgttcaaa gttagggcag atcttgatag aaagatgtta 1140
atcacagggt tgtttataat agcaatatac atacacattt ggctagtact aggtgaatag 1200
gaaaataaat catgctgtat gtatacaata agagggtcaag ttgccaataa attattactg 1260
ttaatgttct gggraatgct graactatgc taartggggg agagggraag caggtattgc 1320

```

512

arttttgtar tgaagattgg gctttggagt catatctgag atgtaagtag cagcttttaa 1380
atncctagct atgaccctgt gcagatcact taacttttga gtggtcagga tgttggaagg 1440
ncaagacagg aaagtgggtt taataccagg gtcccagtat ttagtaagcc tccaataagt 1500
gata 1504

<210> 761
<211> 813
<212> DNA
<213> Homo sapiens

<400> 761
gggccgaggc aggggggatca cctgaggtca ggagtctcta ctaaaaatac aaaaattaga 60
caggtgtggt ggtgggcgcc actcaggagg ctgaggcagg agaactcactt gaaccgggga 120
ggcagagggt gcagtgagcc agatcatgct gctgcactcc agcccggccg ctcaccgtgt 180
gtgttgctgg gtgctggggc tgtgacttay cccctctcct ttagccttgc cataagtgt 240
gtatcctatg aggctgagat tgggaaaggt tacatgcagg taagccagtg gacgtggccg 300
atgcttcagg ctccttccag ccagggtccag cagtgttacc atctgcttct cctgggagga 360
caaaccaggc acccccacca tgaaggggct gcaggcacca tgaactatgt taacaacccc 420
agtctgtact acagaaagggt ctgcagccac atgagaattc agtccacaca agcccatgg 480
ccgtgttccc cacttcagcc acagggctca gggagcccca tctggcgcta aggggaactg 540
ctgggggtgt ggtgacacct ggcctttggc gttctgcctt ggggagggtt ctggttttgt 600
tacgggggtg aagaatagga cctgggggtc tcggatgcaa cctgcagacc ccgtggctca 660
cccaacccca ggttctgcct ccagaccag aacgggcatg gcctggctct tggcaccgag 720
gtgcctgctc tgtaaatatc aagggtattc aactttaata ataaagcaga acttgaaaac 780
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 813

<210> 762
<211> 2013
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1976)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1995)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2004)
<223> n equals a,t,g, or c

<400> 762
ggggccgctc caacatcaga atctgagctc cgggtgacgc ggctgcggta gctgcggata 60
caagccttcc ggggtcctg cctggcgacc ccgacctct cctgctgtct ctccgctccg 120
ccaccccgaa ccgcgaagg tctgtcctt ttctctctgt cctttgccag cggtgggccc 180
gaccgggccc agccgggccc cccgggcgca gtctttaacc atggcgctcc tcttcaagaa 240

513

```

gaaaaccgtg gatgatgtaa taaaggaaca gaatcgagag ttacgaggta cacagagggc 300
tataatcaga gatcgagcag ctttagagaa acaagaaaaa cagctggaat tagaaattaa 360
gaaaatggcc aagattggta ataaggaagc ttgcaaagtt ttagccaaac aacttgtgca 420
tctacggaaa cagaagacga gaacttttgc tgtaagttca aaagttactt ctatgtctac 480
acaaacaaaa gtgatgaatt cccaaatgaa gatggctgga gcaatgtcta ccacagcaaa 540
aacaatgcag gcagttaaca agaagatgga tccacaaaag acattacaaa caatgcagaa 600
tttccagaag gaaaacatga aaatggaaat gactgaagaa atgatcaatg atacacttga 660
tgacatcttt gacggttctg atgacgaaga agaaagccag gatattgtga atcaagttct 720
tgatgaaatt ggaattgaaa tttctggaaa gatggccaaa gctccatcag ctgctcgaag 780
cttaccatct gcctctactt caaaggctac aatctcagat gaagagattg aacggcaact 840
caaggcttta ggagtagatt agtcaaaaga agtcatacta ttttgcttac ttataattat 900
gtagtataaa ccaagcacag tgcagatttc ttttacaaaa cacatgtatt ttgcaaaaaa 960
aaaaaaaaatg aagaccatga gtgaacagtt gtttctaac ccatggctat ttagaatctt 1020
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taggagtgat gatgtgtaaa aagttgactt ctcttttgca tggcacagag aaattatatt 1140
ccttacttca tgtcagttta tgttctaaat ctttttctact gaatataaaa atcttgtaa 1200
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aaactgtcat aacttttctt ttttcttttt ccattaggag aacattctag ttggtaaatt 1440
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atttcagctg gcagaaaaga attacattta aaactgaaat caaggcctca atacaaagat 1560
tatectggct cttttctatc tctgtgggcc taattgaaat atgtactctt attttagaca 1620
cgcctctgtt aaaacagacc aggttttctt ggtctcagac ctatgatgac ttgtcccttt 1680
gatgtcacta ctgtgaattg aatataatta gtaaaaatag acgatgaata aataacactt 1740
tatagtaaga aaacaatata ttttggccat ctaaaaatga gaattataat tatatgaatt 1800
ataattttaa ctgtttaatt ttgtttaatg tgtatattga atcttccaaa ttgaagccat 1860
tattctcaat taagtactac aactatgaca atgcttgacc tacatttcta aaataaaaa 1920
tcacattttt tgataaataa actacagttt taccagaaaa aaaaaaaaaa aaaaancccg 1980
ggggggggcc cggtncccat ttgngccctt tgg

```

<210> 763

<211> 620

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (596)

<223> n equals a,t,g, or c

<400> 763

```

cactgtgcct ggccagattt ntttttaaga gattcatcat accttgacct gtgccccatt 60
tccctctctc acctgtctga cctggcattc ctatttcggg agaccagaag tggggggaag 120
agaagggatg actgkttctt tgktttcacc attcctgcat gccatgcaaa ggaaggaata 180
ttgcgctttt aaatatymgt tttattaagt aagtgggttac tctttcaarg acaaaaaaaaa 240

```

514

```

tgcaaattgt tacaaaactg gcagtatattg taagtgcag cactacacgc tgccttggtc 300
ttttaccaat tgcatttgca ttttaaggta ctacttgtag agccatggtg gagaacagtt 360
tgagggttcc tctaaacact gaaaatagag gtgccacatg atccagcaat cccactgttg 420
gatataatcc ccagaaataa gaaatgagta tatcgaagaa attatctgca ctcccattgt 480
gggtgcacca ctgttgacaa tagctaagat ttggaagcaa cctaagtgtc catcaacaga 540
ttaatgtatt aaagaaaatg tggtagatag acacagtgtg gtattattca gcctanaaaa 600
gaatgagatt cagtcatttg                                     620

```

<210> 764

<211> 1934

<212> DNA

<213> Homo sapiens

<400> 764

```

ccatgcactc cagcctgggt gacgagaaag actccgtctc aaaaaaaaaa aacaaactct 60
tatttaattt ttagttaaaa ttaaaacact agtacttcag aatatagata caagtacacc 120
atcttgaaga atttggagtt tttcagggca attcaaatga cctcattttt tgttcttttt 180
gtattccaga cagtgtttct gtcattggat ctctgattgg tagtgtaaat aaatattctt 240
tcagtgtgag ccagattcat aaaattaatt ttcttcattt tagtagtaaa aagtagtcta 300
atagcttttt gtcagcttga tttttktgtg tgtgtaatat tcaagggcag aatgacagga 360
cagataagca ataagaaatg tatagaatta gaaaatatag tagttccctc ttacccatgg 420
gacatacggt ccaagacccc cagtgaacgt ctgaaacccat ggatagtata gacacctcta 480
tacactgttt tttcctatac atatatacct atgataaagt tctattttata aatcagggac 540
agcaagagat aaacaataac tgcaaataga acaattataa cagtgcactg taataaaagt 600
gatgtaaatg tgatatgtct gtctctttct ctyaaaatat cttattgtac tgtactcacc 660
tgtaatcaga ctgtgggtga ccgtgagtaa cccgaaacca cagaaagcaa aatcgtggat 720
aaggggagac tactctatat gaaacttaag ttacaaaatt ctctgaagca tttgaaacta 780
gacgttttgg aattataaaa tagtcccttt aaaatatcca ctagtagaaa aaaacttcat 840
ttgcagagaa aagattgcaa taaaactcat tcctaaactt ttcaatttta taaaattaaa 900
cattcttttt ttatccgtat taacaatttc tagttacata gtttctagtt acatattacc 960
atatattact ctttatctac aaataaatag ctgatactca aactgatyat attttgattg 1020
ttaaacactt ggatctctca atacttctgt aagttaaagt gaacttaac agtttcttga 1080
aaaactccag taggtggcag aatacctatt gaatttctgt tgctatactt tgctgtttgt 1140
cattaaaaca tctctaccca tattcttgca aaataatatt tatattttta tggataggaa 1200
aatgatttgc aattagatgt ttccattctt gaaagaaaaa agctgcaaat aacattttca 1260
agaatataaa aaaatgagta aacaaagga aggttggttg gtcatttata gacaattaag 1320
cacagactgt agatgtcctt ccaattcttg ggaggctaaa ctgagtctac catttcttac 1380
atttctttta cctatttttt gagaattgcc agttgtacag tgttttagcat gtggaatgta 1440
ccaaatatat ctatgttgtg acttaagata ttctaaatgt ggataacttc tgacctagga 1500
aacatgaagt ttgtagtgaa gtaagtgaag agaattgtca ggaaattttt tttcyccatc 1560
tcttcagttg gcatttattg agagttttat ttgaatgctt attaaaagta tatgatttat 1620
aatattttaga aaatagaaga aaaaagaaaa ctgtagatgt tttatcttgt ttttaactctg 1680
tatgttttagt acgtatacat ttatgttcta gtgtatcaaa atttttcatt ttcattaaag 1740
tgaatccaat tttccatatt ctaggtccat tttaaaccat gaaaacttta atcacatatt 1800
ttgtaaaggg ctgaaagtat gattttaaact acagattgat atattttaat tctaaatgaa 1860
aggtaatgta aataagcatg gatctgattg aataaagatt ttaaaatarw aaaaaaaaaa 1920
aaagggcggc cgct                                     1934

```

<210> 765

<211> 159

<212> DNA

515

<213> Homo sapiens

<220>

<221> misc feature

<222> (152)

<223> n equals a,t,g, or c

<400> 765

```
acctggcctc tctattctct mcttcctctt tctagaattt ctattaggcg gatgttgaat 60
ctcctgaatt aatctctaatt tttcttccct tccctttccc ttctccttcc cttcccttcc 120
ccttctctcc cctcccttcc cctmccttcc cntccctc 159
```

<210> 766

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<400> 766

```
acccacgcgt cckcccagaa tactgggtcc aaatacagaa tactagggtcc aaaaggctgc 60
catgcggctg gccttctgc tgggaaggag tctgtctgtg tgtctgtctg tgtttaggaa 120
gggaggttga ggcagggcag ggtcagagag cactgccgtg gggaggaggg tatccatttc 180
ctggtgatat ccttccattc aaagcgggta tcccagaaca ggtggccagg gacgggtgag 240
ctggggaggg ccaggagaga gatctctgct tgtgtgagaa aggatggccg agctggccta 300
gaaccgctgc tagactatct ccaaagtctt tgcagcacc tgaagggtgaa ccagtgcctt 360
cagaccttcc ctgacacctt agccttggtc ctaggaaara aaaaaaaaaa gggnggccgc 420
tctagngggt ccaagn 436
```

<210> 767

<211> 752

<212> DNA

<213> Homo sapiens

<400> 767

```
tcgacccacg cgctcgccca cgcgtccggg tgggtaaagg gccatgagcc caaaccacta 60
ggttgttcac cttttcatct gaaaatgctt tactctgact atgtgctatt gggttttatt 120
tccagaaaat atagttctcc ttttttctgc atgaaggata catcgtgggtg ccacatgctt 180
```

516

```

taagcaattt aaacaagaga gataagagga aaatgcaacc accacatctg acttgcccaa 240
tgtagacttt cctctattag attgaagtac acaaccta atgatatatt attttgtagt 300
atctcagact ttgtaaataa ataccattat ttttatatgg aaattttata gaagagctat 360
ttctgtatac gtaattactc ctgattttct gaaattgctt ctggtagata acagacaagt 420
cctaagcagt gttccactaa ggggtggttc aggcctgcct gccgtggagt tgactggggg 480
aattttacag ttttgcgata ctaggatgcg tcccagacgc tcagtcagaa gtgctggagg 540
tggggcctgg gaagctgtat ttgtaatgaa ctctggtgtt ttttgtccat taaagtgtat 600
ctttgtccat cctataagat taaaggaaag aaaaagcatt tcaaatgagt gtaagttgtt 660
cttgagaaaa aaatgtatca gacttttatg atttgaatga aatgtattat agaaaaaaat 720
aaacacttta aaataatggt agtctcatta aa 752

```

<210> 768

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 768

```

gcggccgcgg ggtggcgctg caggtggtgc gggaagccag ccaggagagc aagttgctgt 60
sggtcatccg tgagaccagg gcggcgagtg gaagcacggg cggatcatcc tgcccagcta 120
cgacatggag taccagattg tgttcgaggg agtgataggg aaaggacgtt ccggagagat 180
tgccattgat gacattcgga taagcactga tgtccactg gagaactgca tggaacccat 240
ctcggttttt gcagggggca ccctcctgcc agggaccgag cccacagtgg acacggtgcc 300
catgcagccc atcccagcct actggtatta cgtaatggcc gccggggggcg ccgtgctggt 360
gctggtctcc gtcgcgctgg ccctggtgct ccaactaccac cggttccgct atgcggccaa 420
gaagaccgat cactncatca cctacaaaac ctccactac accaacgggg cccctctggc 480
ggtggaancc ca 492

```

<210> 769

<211> 1174

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

517

<400> 769

```

gnccacnecgt ccggtgacgt acatccggcg agtagctggc ggtcccggt gctgctggtt 60
agtgtgctct gagggagggg ccgagccagc cgctgttttg ccggaggagc ccttcaggcc 120
gtagtaagca ttaataatgt ctttcacatc tgagtggatc tacaatggct tcagcagtgt 180
gctccagttc ctaggactgt acaagaaatc tggaaaactt gtattcttag gtttgataa 240
tgcaggcaaa accactcttc ttcacatgct caaagatgac agattgggccc aacatgttcc 300
aacactacat ccgacatcag aagagctaac aattgctgga atgaccttta caacttttga 360
tcttggtggg cacgagcaag cacgtcgcgt ttggaaaaat tatctcccag caattaatgg 420
gattgtcttt ctggtggact gtgcagatca ttctcgcctc gtggaatcca aagttgagct 480
taatgcttta atgactgatg aaacaatatc caatgtgcca atccttatct tgggtaacaa 540
aattgacaga acagatgcaa tcagtgaaga aaaactccgt gagatatttg ggctttatgg 600
acagaccaca ggaaagggga atgtgaccct gaaggagctg aatgctcgcc ccatggaagt 660
gttcatgtgc agtgtgctca agaggcaagg ttacggcgag ggtttccgct ggctctccca 720
gtatatggac tgatgttttg acggtgaaaa taaaagagtt ttacttctct ggactgatcc 780
tattcacagc ttctcatga acttttctaa tagaacaagg aaagctctcc aaccatgtct 840
ggcgttgaga agccaagagt ctctgtcaac tctctcattg cccagtgggtg acatgtgctc 900
ttctccacac tgttgggagg taatgctgcc ccacgtgctg gtgcagggtc gtatcctggg 960
acttggaaagc tggcaggatt tgccgggtaa agctgtatgc catcatgggg cacctgaaaa 1020
graaaacacg tctcaccact gtggttgatt caaaagaaag tgattctatt ttttaaagaa 1080
agcgttggtta atgtaattgg tatccctcct aactttttga gttcasaatt tacttgggtc 1140
gattttctat tctttttttt ttttaaacta atga 1174

```

<210> 770

<211> 2468

<212> DNA

<213> Homo sapiens

<400> 770

```

gaaggaaggc atcctctttg tcacctacc agatggtagg ccaacagggg acgcttttgt 60
cctctttgcc tgtgaggaat atgcacagaa tgcgttgagg aagcataaag acttggtggg 120
taaaagatac attgaactct tcaggagcac agcagctgaa gttcagcagg tgctgaatcg 180
attctcctcg gcccctctca ttccacttcc aacccctccc attattccag tactacctca 240
gcaattttgtg cccctacaa atgttagaga ctgtatacgc ctcgaggtc ttccctatgc 300
agccacaatt gaggacatcc tggatttctt gggggagtgc gccacagata ttctgtactca 360
tggggttcac atggttttga atcaccaggg ccgcccacatc ggagatgcct ttatccagat 420
gaagtctgcg gacagagcat ttatggctgc acagaagtgt cataaaaaaa acatgaagga 480
cagatatgtt gaagtcttct agtggttcagc tgaggagatg aactttgtgt taatgggggg 540
cactttaaat cgaaatggct tatccccacc gccatgcctg tctctctcct cctacacatt 600
tccagctcct gctgcartta ttccacaga agctgccatt taccagccct ctgtgatttt 660
raatccacga gcactgcagc cctccacagc gtactacca gcaggcactc agctcttcat 720
gaactacaca gcgtactatc ccagccccc aggttcgcct aatagtcttg gctacttccc 780
tacagctgct aatcttagcg gtgtccctcc acagcctggc acggtgggtc gaatgcaggg 840
cctggcctac aatactggag ttaaggaaat tcttaacttc ttccaagggt accagtgttt 900
gaaagatgta tgggtgatctt gaaacctcca gacacaagaa aacttctagc aaattcaggg 960
gaagtttgct tacactcagg ctgcagtatt ttcagcaaac ttgattggac aaacgggcct 1020
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gttttaagtc ttggataaaa actccaccag tgtctaccat ctccaccatg aactctgtta 1260
aggaagcttc attttygtat attcccgctc ttttctcttc atttccctgt cttctgcata 1320

```

518

```

atcatgcctt cttgctaagt aattcaagca taagatcttg gaataataaa atcacaatct 1380
taggagaaag aataaaattg ttattttccc agtctcttgg ccatgatgat atcttatgat 1440
taaaaacaaa ttaaatTTta aaacacctga agatawatta gaagaaattg tgcacctcc 1500
acaaaacata caaagtttaa aagtttggtt ctttttctca gcaggtatca gttgtaaata 1560
atgaattagg ggccaaaatg caaaacgaaa aatgaagcag ctacatgtag ttagtaattt 1620
ctagtttgaa ctgtaattga atattgtggc ttcatatgta ttattttata ttgtactttt 1680
ttcattattg atggtttgga ctttaataag agaaattcca tagtttttaa tatcccagaa 1740
gtgagacaat ttgaacagtg tattctagaa aacaatacac taactgaaca gaagtgaatg 1800
cttatatata ttatgatagc cttaaaccct tttcctctaa tgccttaact gtcaaataat 1860
tataaccttt taaagcatag gactatagtc agcatgctag actgagaggt aaacactgat 1920
gcaattagaa caggtactga tgctgtcagt gtttaacact atgttttagct gtgtttatgc 1980
tataaaagtg caatattaga cactagctag tactgtgcc tcatgtaact ccaaagaaaa 2040
caggatttca ttaagtgc atgaatgtggm tatttctcta agttactcat attgtccttt 2100
gcttgaatgc aatgccgtgc agatttatgw ggctgctatt tttattttct gtgcattact 2160
ttaacacctt aaaggagaa gcaaacattt cttcttcag ctgactggca atggcccttt 2220
aactgcaata ggaagaaaaa aaaaaaggtt tgtgtgaaaa ttggtgataa ctggcactta 2280
agatcgaaaa gaaatttctg tatacttgat gccttaagat gcccaaagct gcccaaagct 2340
ctgaaagact ttaagatagg cagtaatgct tactacaata ctactgagtt tttgtagagt 2400
taacatttga taataaaact tgcctgttta atctcaaaaa aaaaaaaaaa aaaaaaaaaa 2460
aaaaaaaaa 2468

```

<210> 771

<211> 1488

<212> DNA

<213> Homo sapiens

<400> 771

```

tcgacccacg cgtccgcggg aagcgagccg cgcagcaaca aactcgccgc cgccgccctt 60
cagcgactgg rgccgcctgg aggcgcsatc ctcagcggct ggaagacctt ctggcagtca 120
gtgagcaagg agaggggtggc gcgtacgacc tcacgggagg aggtggatga ggcggccagc 180
accctgacgc ggctgccgat tgatgtacag ctatatattt tgcctttctt ttcacctcat 240
gatctgtgtc arttgggaag taaaaatcat tattggaatg aaactgtaag agatccaatt 300
ctgtggagat actttttgtt gagggatctt ccytccttgg tcttctgttg actggaagtc 360
tcttcagat ctaggaatct taaaaagcc tatatctgag gycactgatg gtgcattttt 420
gactacatgg cagtctatag aatgtgctgt ccatacaca gaagagcttc aaaatccagc 480
cgtcctatgt atggagctgt cacttctttt ttacactccc tgatcattca gaatgaacca 540
cgatttgcta tgtttggacc aggtttggaa gaattgaata cctctttggg gttgagcttg 600
atgtcttcag aggaactttg cccaacagct ggtttgcctc agaggcagat tgatgggtatt 660
ggatcaggag tcaattttca gttgaacaac caacataaat tcaacattct aatcttatat 720
tcaactacca gaaaggaaag agatagagca aggggaagagc atacaagtgc agttaacaag 780
atgttcagtc gacacaatga aggtgatgat caacaaggaa gccggtacag tgtgattcca 840
cagattcaaa aagtgtgtga agttgtagat gggttcatct atgttgcaaa tgctgaagct 900
cataaaagac atgaatggca agatgaattt tctcatatta tggcaatgac agatccagcc 960
tttgggtctt cggaagacc attgttgggt ttatcttgta tttctcaagg ggatgtaaaa 1020
agaatgccct gtttttattt ggctcatgag ctgcactgta atcttctaaa tccccatgg 1080
ctggtccagg atacagaggc tgaaactctg actggttttt tgaatggcat tgagtggatt 1140
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accatttgaa atttattact aaggctcgtg tgtgaatatt tgctcagtc gccacacttg 1260
tcctgccttt ttgcagatag gctttcattt ggacagctat aactgctgtg ttttttatat 1320
tatttttact ctttaccata aatcaattac aagaaaagag tttcagtcct agtathtagc 1380
cccaaatga acctttaaac attttttttg taatttttat attttctgtc tttttaaaaa 1440

```

519

tatttaaattc tggaaaaaam aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa

1488

<210> 772

<211> 547

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (535)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (546)

<223> n equals a,t,g, or c

<400> 772

```

atttttgata gttcacaaac cactcacaaa agaatckgaa atttctccaa gtgttaagag 60
aaagcaagct atgaaatgct atatttgtag gcttaaaagt aaattagtggt gttttcttaa 120
aaatctaaac caagattaaa atgaatatag tcataggtat gaggggcatg taatttatct 180
tccgactgga gatacctttg agagttaaag gaggagcaat taattggtat tccaggacaa 240
cagatataaa tcgagattat actaggtgaa ctgggacata tggatcatct tgtcatagct 300
taattcagga aaaaaggagt tagggaartc tgaargtcta actcaaagtt tngatgcttt 360
ttaagcaagt ttagggaact tgagatgacc tgattgagac ccctaaatct acagatgagg 420
aaagcaagcc tcaagcaagg ggggcctgac ctttcctgk tccctgkgta ttctgkctg 480
kggcaaarcc cattgccttg atttctctct ctttactttc attttgagaa gtannttctt 540
tctgcng 547

```

<210> 773

<211> 1394

<212> DNA

<213> Homo sapiens

<400> 773

```

gcaaatatag acatcatatg tagtttgtag atgtttcaga aacttgtttt ttctttgctc 60
tgtgtaacct atttcttatt gctagttcag ttggctttct tattcacttc tgtgacctg 120
aaccagttct cagaccctag agtgtaagag cattgatttt ctacgctgtg taatctagct 180
caatccctct gtccctccg cctcaccgtc cccagccac cacattgtat agcaaaagca 240
ttacattcaa tcttagaaya aaggtaaata caacaaatca tctttgcagc tggacaacta 300
ataatacttt gcagcattaa gagatcttct gtgttaccag tcactctgtt gaaatgaact 360

```

520

```

ttccgaatct ctttattcag gaaaacatgg ggttttgaaa ttcttgggcc aagagacata 420
actgaggggt tcgcagagct aggcaagggt gcactaggaa agggccacat tgggtgggtgg 480
ggggtaacag agaacagatg gtgtcaggaa gtttctctgg agtaaataat gtggatattc 540
ttggtttccc tctcctccgc cagctgaagc tgtgttagtg ctgttgacac taatataaaa 600
tgtttgggtcc atttgaaatc cttgtcattg ccttatatgg gggaaactca atcccccagc 660
ctgtgttggg aatatcacca aactgattgt aaatgtgcgg ctgtagcaga catttttagtg 720
tgggtgggtg cagccatttc ggccctacac ctgccarcct ggctacctta cagttgtgtt 780
ccgatttttg cgtctatgct tgggtgcct cacttgctgc attttccagc atgcaaccag 840
gagttgacgt aggaaaaagg gatgctttct tactttggaa gctctcaggg aagttgggtg 900
caatttctcc tccactgcct ggccctacct gcactcccaa agattttgtg cagatgggta 960
gttccatttt ttaaaaattg tgcagatatg gaaaattgtg acttacttca tgaccagaac 1020
tatctagaat atgtgtgggg gtataaacat cttgcttaac caaatatcta tgtaggcaga 1080
ggtaaccagg agagaagcaa gacttgctgc cttaaaggagc ccaccatttt acttttcaca 1140
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aatcccaaag ttccaccatt tctatgctta attttaacgt cccccgctt tttttttgt 1260
agaaaataaa aacaagaaaa tcgttccaat gtaagatgtt tgttatagaa acttttaggca 1320
atacaggtgt gtaataaaat gtttaataaa cttctaaaca cttttgtatt tggataaaaa 1380
aaawaaaaat aaaa 1394

```

<210> 774

<211> 667

<212> DNA

<213> Homo sapiens

<400> 774

```

agtcgggtccc ggagctgcct ggaggcggcc gcactcgggg atcatggccc aagttgcaat 60
gtccaccctc cccgttgaag atgaggagtc ctccgagagc aggatgggtg tgacattcct 120
catgtcagct ctcgagtcca tgtgtaaaga actggccaag tccaaagccg aagtggcctg 180
cattgcagtg tatgaaacag acgtgtttgt cgtcgggaact gaaagaggac gtgcttttgt 240
caataccaga aaggattttc aaaaagattt tgtaaaatat tgtgttgaag aagaagaaaa 300
agctgcagag atgcataaaa tgaaatctac aaccaggca aatcgatga gtgtagatgc 360
tgtagaaatt gaaacactca gaaaaacagt tgaggactat ttctgctttt gctatgggaa 420
agcttttaggc aaatccacag tggtagctgt accatatgag aagatgctgc gagaccagtc 480
ggctgtggta gtgcaggggc ttccggaagg tgttgctttt aaacaccccg agaactatga 540
tcttgcaacc ctgaaatgga ttttgagaa caaagcaggg atttcattca tcrtkaaag 600
stgaagtgtt tctccgttgt accatcacag tgatcggata attgaaatta gctacgttaa 660
tgattta 667

```

<210> 775

<211> 1610

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (465)

<223> n equals a,t,g, or c

<400> 775

```

gagagaaata gaaagaaaaa gacaaagaga agaagagagg aggaaatgga aagaagaaga 60
gaaacgaaaa aggaaagata tagaaaagct aaagaagata gacagaattc cagaaaggga 120

```

521

```

caaattaaag gatgaaccaa agattaagct gctcaagaag ccagaaaaag gagatgaaaa 180
agaattggac aaaagagaaa aagccaagaa attggacaaa gagaatctca gtgatgaaag 240
agccagtggg caaagttgta cattgcccaa gcgttctgat agcgaactta aagatgaaaa 300
accaaagaga cctgaagatg agagcggcag agactwtagg gagagggaac gggaaatga 360
acgagatcag gagcgcatac ttcgagaaaag agagaggctg aagcggcaag aagaagagcg 420
ccgtagarga aggagcgcta tgagaaagag aagactttta agagnaaaga agaagaaatg 480
raaaaagaga aagacacact tcgggataaa ggaaagaagg ctgaaagtmc agaatcaata 540
ggcagctcag aaaaaactga aaagaaagaa gaagtgggtca agagagatcg aataagaaac 600
aaggatcgtc cagcgatgca gctttacca ccaggagctc gaagccgaaa tcgactctgt 660
ccccctgatg acagcaccaa gtctggagat tcagcagcag aaaggaagca ggaagtgggt 720
attagccata gaaaagaagg aggagaggag tgataagtcc agatggcctt aggtgtcctg 780
actgtctagg cagccaaaga gcacacgtta agcaatccag aggtgccttc agggcaaaga 840
atagagagaa agggagccgc tgtgctggtg gggtagactg cagaggagta agtcttgtgt 900
caaagcagga atctgatcag aggttcagaa ttggaagtac aatttcattg cttttgcaat 960
ttctacaaat taattttaaa gtgtcagaaa aaggtgacgg caaggacatg cattgcaatt 1020
tgcaggggga attgtcaagt gaggacttca tccatatgac cgagagaaaa gtaagagctg 1080
gttctaaaat caaaagctgk tgktcatctg aattgaattt tctgaatttg ggtggagcag 1140
agtcgctttg aagccttggt ccgatctaatt tctattgtat tgttgatgat aagtgttgac 1200
attgggtagt gtagaagcaa caagcatgtc cttgtagtac aggtacagtg aaggatagaa 1260
cacactttcg ttgatacaaa aatttaaata gttatgttac ttctgtatcc agtgcctaa 1320
agtttttaga ttagtttttag ttttttgttt gcttatatga gcttagcgta aagaatattt 1380
ttaaacttcg tgttttgtca tcagcatctt ttctattaag aggtaaaatg tagtccttgt 1440
ttgactcttg acaatccagt gtgtttgatc ttaggtctca tgatctgagt gcataccctc 1500
tccaggaagg aaactgcacc agtgtctatt cctgttaaag agcaactttt agtctcagct 1560
tgtttcgttt tgatgtcaat aaatagtaac agcaaaaaaa aaaaaaaaaa 1610

```

<210> 776

<211> 555

<212> DNA

<213> Homo sapiens

<400> 776

```

ggcacgagga ggttaggaaa ccagttaaag ctgttggata tggaacttat ggacactatc 60
atatcaaagt gggttggcat tttcctggtg aaaatgacat aaataaaatt aaaagacttt 120
tttaaatgaa tgcttggaag ttgtaaaaac tgtcatttcc tctttttatt tcttaacagg 180
atggcttaaa ttccttggtc cttgatttag attttctctg tttgaggaaa aacaagaaca 240
tagataattt cttaaataga tatgagaaaa ttgtgaaaaa aatcagaggt ctacagatga 300
aggcagaaga ctatgatgtt gtaaaagtta ttggaagagg tgyttttggt gaagtgcagt 360
tggtcgtcac aaggcatcgc agaaggttta tgctatgaag cttcttagta agtttgaaat 420
gataaaaaga tcagattctg cttttttttg gggaagaaag agatattatg gcctttgcaa 480
tagcccctgg gtggttcagc ytttttatgc ctttcaagat gataggtatc tgtacakggg 540
aatggagtac atgcc 555

```

<210> 777

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

522

<223> n equals a,t,g, or c

<400> 777

```
c c c t g t g c g a   t a a t a t t c t t   t c a t c a t t t c   a g t g g g n t t t   t g g a g g g a g g   c g g a g a t c c a   60
g g t g a t c t g t   c t a c a c t a t t   c a g t c a g a a a   g c t g g a t g g t   t t t t c t c a c t   g t t t a g c t g t   120
g a c t c a t a c t   t a g a a a g t g g   t t t a a a t g t g   a a t a t c t t a g   t t c t g g t t g t   a c a a t t g a g g   180
t a a t c c t c a a   t t c a g g t t g c   t g t c t g g a c a   t t t c a t g a c t   g                               221
```

<210> 778

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (721)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (722)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (723)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (746)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<400> 778

```
a a t a g a g g t t   a a t t t t a c c c   a g a a g c a g g a   t a g a g a a a a t   a t t a c a g a g a   a a t c a c a t a   60
t c a c a t g g g c   t c g a a a g a t g   t a g a g g t t t t   t g a c a a a t g a   a g a a c a c c a   t a a c a g g t a g   120
a g g g a a c a c c   a t g n a a c c a g   g g c a t g a a a c   t g a a g t g c c a   t a a c a t a t t c   t a g a g a g a g a   180
a g g g t g t g g g   c a t g a g t t a g   g g c t g g a a a a   a c a g g t t g g a   a a c a g a t a a g   t a a g g g t c t c   240
a a a t g c a a t g   t c a a a g a g c t   t g c a g t t t a t   t t t c c a g g c a   a t g a g t a g g c   a g c c a a a a a a   300
a a a a a g t a a g   g a t g t t t t t t   t t t t t t t t c c   c a t g g c a t c a   t a t t t a a g a g   g a t g g a t t t a   360
a a t t g t g t g a   g a c c a a a g c a   t a g a g a c t a g   a t a a g a g g c g   a t c a a a a t a t   t t c a a a a a g a   420
```


523

```

aataatgaag atccaatgaa ggaagtggaa attaaaatag ggaagagagt agatggatta 480
gagagacatt taagagatgg aatcaataga tcctgttact agataatgga agtaagaggt 540
gaggaagagt ggaaaagtca ttaatgactc taaagatttc tgcttggctg cttaccaaga 600
ttggcaacaw amsggwggga raaaggtttg gaaaaagaag agaaaggata atgaagtttg 660
acttttacat agaaatgaaa gggcctttcc agatttggaa atcttttggg ttaaataatt 720
nnnaaatttt tgacctagaa aatttnggan ggaaaccttg 760

```

<210> 779

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<400> 779

```

tttattttta aatatttatt ttatgtacaa aaaggttaaca tggtttctnt cattgggtgg 60
gtgccttaga taatccattc gtggaagatc acttagtcca acttaatgaa atctatatcc 120
ttcacgtatg anggaaacac tgggtggcatg taacgaggct caatttccag atcagactgt 180
gccagtttc agcagacmca atagcaagaa ccttggctga cttttcgcggtg gtggctccag 240
tagagctgct ggtgaatcat cttgctttca ggagtgcgac agggcaaaag gaacaataat 300
tcttcatatc catctactac agtttcaaag cacttcagtt acgcttttta aagttcatat 360
tcttccagtc ttgaccagtg ggaactgagc tcctgaatcc ttgtgatatg acctggtatt 420
ttccatactt tcctttatga caagatgccc catccaggct cattttgtac atttctaatt 480
ccagacctag aatcagtcac cctccaagat gtccctgattc ccttttagtg aaattatttt 540
ttaaactta catattcaga caaat 565

```

<210> 780

<211> 1386

<212> DNA

<213> Homo sapiens

<400> 780

```

gctcagagga gcaatgacga ggtggcccgga gaatttgtga aactcaaato agagtctcgt 60
tccacggagg aggggagctg aacaccttcg actcctgtgc caatcaggca gcagcaattt 120
cacaaatcag ggccagtggg agtttagctgt gtaaccggct tagggctctt gcagtcaaga 180
ggctgacccc ttcagttaaa gatatttaag gaaaaatttg ggggtggtgat aatatggctt 240
ttcacagaaa grgtcatgaa gccttgcccc aacaggactg tgggtactagg ggctgggatg 300
tggggttacc acatggagag attttccatt aagagagaag gacaaacatt tctgagagtg 360
tcagccattc ttggtagaca cctctccact cctcatccca cctctaccca tctccatgcc 420
acaccttatc cagttagaca catacatacc aatcattaga agaacaagtt tagaagggtg 480
ggaacttgtg cctggctggc tgggtagtca gctgagcctg ttgctgagcc cgggtggtctg 540
gattggagta tggccagggc aggagtacac agaatagaat ttagactgtc ccttgagtag 600
aatccactga ttttctgtgg ctccagttag aacaaggctt tgaaactgaa caagataact 660

```

524

```

tctagaaatg aactgtacta atccctttcc ccagattgta tcatgagtag aatcagggtc 720
acgtgggtgct tcaaagccct gagaagaata tttctttgga cccagggcac tagggggccac 780
ctgcctggga gtctccctgc ctcaactcctc taggcagggg agtgatgctt caggacgtga 840
caggctgttc taacatgtgt ctacctgagg gctagttgaa ggatccagga gtattttctt 900
cttgggtggg ccctgaacaa agccaaaaat tgtagaaacc agtctagaaa aagtcctgct 960
catctgtggc cactgccttc tagccgtcct ccaccttgca gaaagaatct agcctttggt 1020
ctctctctct ctcatcgagg tcatttgcta ttccctctg atattcaacc ctatagaagg 1080
agcctggact ctgatccctc tgtacaggct ggatggaagg ggcctccac acttcctggg 1140
aggtcagaga caaactgttt cagagagtca gatggacttc ccaagacttg ttgagagatg 1200
tgacatgggt cttggatttc ctctgtagca gcctcctgga cttcctgagg actcgacatt 1260
gtccacagat gtactggcca ttacatgaaa caagaaacca agcatcttgc ygttggtaat 1320
tatatagggg cctttttagg gggtttaagg ccgtccgaaa aaaatcactt taggggaaaa 1380
aaaaaa                                     1386

```

<210> 781

<211> 1229

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<400> 781

```

gccacgctg cgcgggacnc gtgggctaaa aatgccttta acattcatat tactaccatc 60
tggtaaaggc aatctagttt tttctatcac atccacaaaa attcttctar tctctacca 120
ttatccaatt ccaaagcctt tttcacattt taagacattt gttacagaag tacccaatcc 180
gtcccagttc cacaatctgc attagattcc catggctgct gtaacaaatt accctctagc 240
ccagtggctt aaaacaatag aatttattat cttgttggtt tggaagccaa aaktccaaaa 300
ttganggggt ggcagggtg aacgtcttct ggagactcta agggaaacac tcttcccgtg 360
tcttccartt tcttgtggct gccatcattc cttggtttgt gactgcatct ccctctctct 420
tgtcttcaca tcaactcccc tctgtatata taatctacct ctgcctctct cttataagga 480
cacttgtgac gggacttagg gcccatccag attacccatg ataattccct tattccaaga 540
ttcttaatta tatctgaaag gacctttttt ccaaataagg tactatcaca ggttccaggg 600
agtaggatat tgaatatctt ttttggggag ggggcacat gcagctcact acactattca 660
ttgcacacaa atgaattttt cactttttta gatgcattct tgggtgctcaa accagatcga 720
agtttgtctc taaaagctat tgtctgcaca ggctgctgca tgctctgttg ttaaattgat 780
ggacaggcta ttctaaattt tgggtgatac ttttgctact atgggcaatt aacttgaaaa 840
aaataatcga tcccaactct gtgctctgat gtacctcttc tgcccccttt atgacacctt 900
tgaccaaag ccttctatgg ttcacagtgc aggcaaaaa ctacctctga tacagaaggg 960
ttctttacaa gcttatttta cataccgtga atccctcacc taaagggaga ggtgaaagca 1020
aagactgctt tgaatgggta ttgagggaga ttgtgtccat accaagccac cctgaagaag 1080
tatttcactt gcagtagaac tgtggatttg tgctgtcatt tcaccttgga ataaacacct 1140
atctctaagc aggaccaaga atgacttgca atctatatgt aatggctact tacttattca 1200
ataaagttaa gatatacgtt aaaaaaaaaa                                     1229

```

525

<210> 782
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<400> 782
tatgtaaata tgtacacaaa aattgttcct ccaaagacat ttttcagtat cttagcatat 60
tctaagggtg cagatgtaga attatttctc ttctctggct cagtagcatg tcagaatgga 120
acataggtat agaatgtttt ttgtatagac aaagcttcac tttcaggggc aaggtttggg 180
aaatangctg atagtaaagt catgtaacac ttctgtgcag gttaacattt ctggaccttg 240
ctttccttct cagtgtatgc atgagctatt yttcatgcac cactgggggg cccagtcctg 300
gnttaatcta ccagttggaa ttttaggang gacctgggct tgtttgg 347

<210> 783
<211> 295
<212> DNA
<213> Homo sapiens

<400> 783
atttaaaaat gcaagtgtgc tggcagaaag gggactgatg attctgtgac tctgcagttg 60
cagaagctcc gtgtaggaga ttatttggac atagcgatta cccctcttaa tcagggtgcca 120
cctccttcag ggcacatgag atcatattaa attctttttg agatagggtc tcactatgtt 180
gccagggctg gtctttaact cctgggctca agcaatcttc ccacttcagc ccgccaaagt 240
gctgggatta caggcatgag ccaccacaac caacaagggtg ggtattaaat ctctt 295

<210> 784
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

526

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (663)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (706)
<223> n equals a,t,g, or c

<400> 784
aattcggcac gacgcgacag agttgttgcc tgggctggac gtggttttgt ctgctgcgcc 60
cgctcttcgc gctctcgttt cattttctgc agcgcgccan caggatggcc cacaagcaga 120
tctactactc ggacaagtac ttcgacgaac actacgagta ccggcatggt atgttaccac 180
gagaactttc caaacaagta cctaaaactc atctgatgtc tgaagaggag tggaggagac 240
ttggtgtcca acagagtcta ggctgggttc attacatgat tcatgagcca gaaccacata 300
ttcttctctt tagacgacct cttccaaaag atcaacaaaa atgaagttaa tctggggatc 360
gtcaaactct tttcaaattt aatgtatatg tgtatataag gtagtattca gtgaatactt 420
gagaaatgta caaatctttc atccatacct gtgcatgagc tgtattcttc acagcaacag 480
agctcagtta aatgcaactg caagtaggtt actgtaagat gtttaagata aaagttcttc 540
cagtcagttt ttctcttaag tgctgtttg agtttactga aacagtttac ttttgttcaa 600
taaagtttgt atgttgcat taaaaaaaaa aaaaaaaaaa agggncggcc gccccaaaag 660
ggncocagct tacgtacccg ggccatgcga cgtccaagcc cctccnaaag gggcccccaa 720
attccattcc ctgg 734

<210> 785
<211> 1311
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1310)
<223> n equals a,t,g, or c

<400> 785

527

```

ctggccccgac tactttcggt cgcgtcttcca tcgtttttctc tcgtgcaatg gcgtccggggc 60
tggttaagatt gctgcagcag ggacatcgct gcctcctggc tccagtcgcc cccaagctgg 120
tccctccgggt tcggggagtg aagaagggat tccgcgcgcg cttccgcttc cagaaggagt 180
tagagcggca gcgcctttct gcggtgcccc cgccgccccg tgcgccgttc agagaagccg 240
aactgggatt accatgcaga aatacaagct tttggacatc ggttacagga aaacttttcc 300
ttagatcttc tcaaaactgc atttgttaat agctgctata ttaaaagtga ggaggccaaa 360
cgccaacaac ttgggataga gaaagaagct gttcttctga atcttaaaag taatcaagaa 420
ctatccgaac aagggacatc tttttcacag acttgcctta cacagtttct tgaagacgag 480
taccagaca tgcccactga aggcataaaa aatcttgttg actttctcac tgggtaggaa 540
gtcgtgtgtc acgtggctag aaacttggct gtggagcagt taacactgag tgaagaattc 600
ccagtgcgcc cagctgtgtt acagcagact ttctttgcag ttattggagc cctgttacag 660
agcagtggac ctgagaggac tgcacttttc atcagggact tcttaattac tcaaataact 720
ggaaaagagc tctttgagat gtggaagata ataaatccca tggggctatt ggtagaagaa 780
ctgaagaaaa ggaatgtttc agctcctgaa tcaagactta ctaggcagtc tgggtggcacc 840
acagctttgc ctttgtattt tgttggctta tactgtgata aaaagttgat tgcagaagga 900
cctggggaaa cagtattggt tgcagaagaa gaggtgctc gagtggccct tagaaaactt 960
tatggattca cagaaaatag acggcctggg aactattcca agcccaaaga aaccttgaga 1020
gcagaaaaga gcatcactgc cagctagccg ccatggatgc agcagcctga aacttgagag 1080
cgaaagtgag ataaatgtca aaggtgtttc aagccagaca ttttcacaat tgtgaagaaa 1140
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acagtgtttt tggttttgtt tttctgaaat cttggttttg atcaaactct tttttttttc 1260
tcttnagatg gagtcttact ctgtcgccca ngcttggact gcaatgggtn c 1311

```

<210> 786

<211> 633

<212> DNA

<213> Homo sapiens

<400> 786

```

acctactcct atatactgac ctgcctgtcc acgaataatk gtaarggggt tttgcmtgta 60
cagttttttac aagaattaca gtttkgtgaa gttgtgtcta aattaaagca tttcttttaga 120
acaaatggcc ttaaatcttc acggaattcc tggaaatgat tgtgaattgc cttcaaataa 180
tagaaaagtg tatttatttg tgtgtgtgtg tgtgtcaaaa atgtaactgc tttataatat 240
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atttttaatt atgtattaaa atcttttaaat cataactatt tgctttgtac gtttcatgta 480
tgaatgacaa tagtttgatg atttccttta ctgatcttaa atatttatgc cactacagtg 540
tattacctac rgatttttaa atttagcttt atttatcaac ccaaaaaaca aataaataag 600
atcaatatcc ttttcttctt gtcaaaaaaa aaa 633

```

<210> 787

<211> 1017

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

528

<220>

<221> misc feature

<222> (885)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (971)

<223> n equals a,t,g, or c

<400> 787

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aaaaccatct tgtaagctaa atgggtcttg atccagaaag gccagatttt acctaccaag 180
aaaaaaagat atttttccag agagttaggt atatcataat tttccatttc aagtnctttt 240
tataagtcta gtcattctgc aacgtgacat atccccaaa atgaagttac cttccaagtt 300
ggacacgtcc cgtagtggg catatgtcta actaaaagtt tctgacttgt agtaaattca 360
gcttaaatat aagttgaaat ttgggaaata atttccaagc tcttgggaagg ggtaacagtg 420
aaccgccctc catgggctcc acatcttttc ctttggcttc caaagtcagg tcccgccac 480
cctgcctaag gaactgcaga gaggtggcaa atcagcaaaa aggacaccag gctcttcttg 540
gccacttgta ggaagatccc ttacaattt tgactaagga gatttttttt ttcacagttg 600
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aaagtaattt ctccaaggtc acttcttttt ttatgtcttg ccatcacttt aaaggactag 720
ccccactccc ccatgtgtat acacaaggaa attgcagacc aattagttgt cttggcctga 780
ctctaattgcc ttttgcaagt agctttccag aagtaaaagt cccagtgatg tattcccata 840
gaaatatattt tcagttgttt atgtcgttta ctacaaaaaa aaagnttcag agtgggatgg 900
gagtacaact cttgrgtwtt tttctagtcc ggatttttta ttaattaatt cggtgctgcc 960
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```

<210> 788

<211> 2718

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2713)

<223> n equals a,t,g, or c

<400> 788

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ttttgacata caatatggag tagtggttat tcgcctaaaa gaaggtcttg atatatctca 180
tcttcaagga caagaagaat tattgtcatc acaagagaaa tctcctggca ccaaggatgt 240
ggtagtaagt gtggaatata gtaaaaagtc cgatttagat acttccaaac cactcagtga 300
aaaaccaatt acacacaaaag ttgaggaaga ggatggcaag actgcaactc aaccactgtt 360

```

529

```

gaaaaaagaa tccaaaggcc ctattgtgcc tttaaagtga gctgaccaa agcttcttga 420
agctagtaca cagtttcaga aaaaacaagg aaagaatact attgatgtct ggtggctttt 480
tgatgatgga ggtttgacct tattgatacc ttaccttctg acgaccaaga aaaaatggaa 540
agactgtaag atcagagtat tcattgggtg aaagataaac agaatagacc atgaccggag 600
agcgatggct acttttgctta gcaagttccg gatagacttt tctgatatca tggttctagg 660
agatatcaat accaaaccaa agaaagaaaa tattatagct tttgaggaaa tcattgagcc 720
atacagactt catgaagatg ataaagagca agatattgca gataaaatga aagaagatga 780
accatggcga ataacagata atgagcttga actttataag accaagacat accggcagat 840
cagggttaaat gagttattaa aggaacattc aagcacagct aatattattg tcatgagtct 900
cccagttgca cgaaaagggtg ctgtgtctag tgctctctac atggcatggg tagaagctct 960
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cacgatttca ttaatttgaa agcacacagg aaagttgctc cattgataac gtgtatggag 1200
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cacagatgca tatgtgtata tataatgaaa tttatgttgc tgggtattttg cattttaaag 2460
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agatacaggt ttcatagaga acaaagggtg tcatttgaag ggcatgctgt aatttcacac 2580
aattttccag ttcaaaaatg gagaatactt cgccataaat actgttaagt gggtttaattg 2640
atacaagttt ctgtgggtga aaatttatgc aggttttcac gaatcctttt tttttttttt 2700
tttttttttg gnggggtc 2718

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<210> 789

<211> 2630

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1676)

<223> n equals a,t,g, or c

531

<220>

<221> misc feature

<222> (307)

<223> n equals a,t,g, or c

<400> 790

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ggagcaagca gagatacaga tcaaagaaga atctaaaact gcagtggaga tgcttcagaa 120
tcagttaaag gagctaaatg aggcagtagc agccttktgt ggtgaccaag aaattatgaa 180
ggccacagra cakagtctag acccaccaat agaggaaaga gcatcatctg agaaatagca 240
ttgaaaagct gagagcccgc ctagaaactg atgagtagaa ccactctgtg tcttacaaca 300
actgaanga                                     309

```

<210> 791

<211> 640

<212> DNA

<213> Homo sapiens

<400> 791

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tcgaccacg cgtccgggcc tgagagtgca ggcttgaggg aagcatggag gtccatggca 60
agcccaaggc tagcccagat tgttcgtcgc ccaccggga ttcttcagga gtcccagtgt 120
ccaaggagct gctgacggcg ggaagcgacg gccggaggg tatatgggac aggttgctca 180
tcaactccca acctaagtcc agaaagacct ccactcttca aacagttcgg atagagagga 240
gtcccttatt ggaccaggta cagacatttc tcccacagat ggcacgggca aatgaaaagc 300
taagaaaaga aatggcagct gcaccacctg gtcgtttcaa tattgaaaac attgatgggc 360
ctcatagtaa agttatacaa atggatgtgg ctttgtttga gatgaatcag tcggattcaa 420
aagaagtgga cagttcagaa gagagtacac aagacagttc agagaacagt tcagaatcag 480
aagacgaaga tgacagcatc ccatctgaag tcaccataga taacattaag cttcccaatt 540
ctgaagggtg aaaaggcaag attgaagttt tggacagtcc agcaagtaaa aaaaagaaat 600
agtcaaataa attatctgaa aagaaaaaaa aaaaaaaaaa 640

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<210> 792

<211> 590

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

532

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<400> 792

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gagtagatgg tgggccatag gctgtaactg gaaactatgc ctgtcttatt tagcatttca 60
aaacaaaaac cataaacaaa catttgtctt ctgaatatct aagaaaaaaa aataagtgtt 120
aattatattg taggggtgta ccattttgta tttcaagttc ctgagaagag aatttgaaca 180
gtttgctatt tggaaatttt agcaaccagc taccttgccct atggaaagat taaaaanaaa 240
actttatttt ggaaatttaa agacatncac aaaagaggaa caatataatt aacctctgtt 300
aactcatcac caacaagact catgaccact tttatacttc atgagtgnat tgtatttgta 360
tccactgttt tctattattt tcgagcaagt ctgagacaca ccatttaatc tgtaaataat 420
tcagcatgta tctctaaaag acaaagacct cttaaataac agttcattag tataaaacaa 480
attgggtaaa cttttgttgg tcatcaaaact atattagcac tgggtccaata gtttaatttt 540
cattgagnc tccaagagga ccgaccagtc tnttgctcaa gacatgctct 590
```

<210> 793

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<400> 793

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ggccggacga cggcgccctta aggaagcggg gcggaagcag nggacaagaa gccgcgggat 60
ctcttcgggc cccagggacc tccagwgca gaagtgaccg cggagactct gcttcacgag 120
tttcaggagc tgctgaaaga ggccacggag cgccggttct cagggcttct ggaccgcgtg 180
ctgccccagg gggcgggcct gcggtggtg ggcgaggcct ttcactgccg gctgcagggt 240
ccccgcggg tggacaagcg gacgtggtg gagctgcatg gtttccaggc tcctgctgcc 300
caaggtgcct tcctgcgagg ctccggctct agcctggcct cgggtcggtt cacggcccc 360
gtgtccggca tcttccartt ytytgccart ctgcamgtgg gagccggatg gggcagtgcc 420
gtgtgctgtg acggggctgg ngctganctt tctgggggc 459
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533

<210> 794
<211> 1664
<212> DNA
<213> Homo sapiens

<400> 794
tgcagcarag caggtaacag ctcttgcacc tgtttctctt gcacctgacg tgcagctgct 60
cctaccacacc tctcctggct gagccttgcc tgatacagca gcccggaggc accacttget 120
tcccagagtct caccctccca ggcagctcct acactcaact gcttctctag gaaaggtctc 180
acctccagcc tggagcagtc gggattacag aaagccccat ccttggctta gggagcgcca 240
tgacgactga aattggttgg tggagctga ctttctcctg gaaaaagaaa tccactccca 300
aagtgtgtga tgagatccct gacacctatg cccaaacaga gggagatgca gaacccccga 360
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agagcacaaa gggcaagcac gtcaaggtct ccaactcagg acgcttcaag gagaagaaga 480
aagtgagagc cacgctggca gagaacctta acctcttga tgatcacgag gaaggacggt 540
catcaaagtg aagggtgag gaggggtgcta gcacctcttg gctccctgcc atcagccaga 600
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tactggacac aggggtcaagg gcgagtttca attgtgtctc cctttacttt ctctacctgt 960
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tggtttctgt ggagccagag gcagagacac tgaacttgag ctcacctcct aacaccggca 1080
gtaaacttcc tggaaactttg cctcaggtg cggaggggac agaggacctt ggcactctgt 1140
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ctctgtaata acaacgctgg aaaggcmgag aacctctttt atgctcatgt cttgcattta 1440
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tgggtcacta atttttacca tcaaacctag ccttagtatg gggatggggc aagcagaagg 1620
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<210> 795
<211> 1929
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

534

<400> 795

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gcggaggaga gcgctatagc cggagcgcag gcatgtatat gcagtctggg agtgacttca 180
attgcggggt gatraggggc tgcgggctcg cgccctcgct ctccaagagg gacgagggca 240
gcagccccag cctcgccctc aacacctatc cgtcctacct ctgcagctg gactcctggg 300
gcgaccccaa agccgcctat cgcctggaac aacctgttgg caggccgctg tcctcctgct 360
cctaccacc tagtgtcaag gaggagaatg tctgctgcat gtacagcgca gagaagcggg 420
cgaaaagtgg ccccgaggca gctctctact cccaccctt gccggagtcc tgccttgggg 480
agcacgaggt acccgtgcc agctactacc gcgccagccg agctactccg cgctggacaa 540
gacgccccac tgttctgggg ccaacgactt cgaagcccct ttcgagcagc gggccagtct 600
naaccgcgc gccgaacatc tggaatcgcc tcagctgggg ggcaaagtga gtttncctga 660
gacccccaa tccgacagcc agacccccag cccaatgaa atcaagacgg agcagagcct 720
ggcgggccct aaaggagcc cctcggagag cgaaaaggag agggccaaag ctgccgactc 780
cagcccagac acctcggata acgaagcgaa agaggagata aaggcagaaa acaccacagg 840
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gctggaattg gagaragaat ttctgttcaa tatgtatktg acgcgagagc mcgcctggag 960
attagcaaga ccattaacct tacagacaga caagtcr aaa tctggtttca aaatcgcaga 1020
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tccctttgtg cctggtgata tatttttttt tctcctctga gtataaatgc aatgcgactg 1200
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ccttccctgc tgcatttctt ccttagacta atagacgttt tggaaagtcc ggctagtgtt 1560
cgtgtgtttg tcgtagcacc cagagcctcc accaaaccct ctccatgtct ttacctcca 1620
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cctcctagca cccccacatc ccccatctag taacatctca gaaatttcat ccagaggaac 1740
aaaaaaaaa aaaatagaac atagcaaagc aaagacagaa tgcccccccc caaatattgt 1800
cctgtccctg tctgggagtt gtgttattta aagatattct gtatgttgta tcttttgcac 1860
gtagcttctt taatggagaa aaaaaaacct aataaatttc cagaatcata atcctcaaaa 1920
aaaaaaaaa 1929
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<210> 796

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

535

<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 796
tcactcaccg cggtncataa gccctactag tgataatttg ccaacgctgg cagagtatac 60
accanattgt ctagggtgtct ggttgccacc cgcgttctaa gcggcttacg cgtgcgtgct 120
acaggcctga tttaattgagg ctagtacgat tttagggtgag tagtaatccc gataaatcac 180
gttgcccttg cgtgcgccac atccaggata ttgggtttatg gctgcaaaac cgtaaccttg 240
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tggttgctgct gctgctactt ttactgaacc ggcaamttaa ccaacamgtc caccamgtcc 360
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gggagggcta aataaccana gaaacctgga tgggtgggaaa aaa 463

<210> 797
<211> 1069
<212> DNA
<213> Homo sapiens

<400> 797
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ccgccgatgg cccacgacat cacggccacc ccagccgggc catccctggg gggcctgtgt 120
cccagcaaca ccagcctcct ggccacctcc tctccaatgc ctgtgaaaga ggagtttctg 180
ccatagcccc atgccagacc tgtgcgcagg gggacctggg gactcgggtg ctgggagtg 240
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ggacagtcac ctatccaccc tctgcatccc cttggcccat ctgtgcagta agcctgttg 360
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tgatctcaat ctcccgtggg catctcaagc cccaaatggt tgggggaggg gcctagacaa 480
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gaccacactg atcctggaga aaagggatgg agctgaaaaa gatggaatgc ttgcagagca 600
tgacctgagg agggaggaac gtggtcaact cacacctgcc tcttcctgca gcctcacctc 660
tacctgcccc catcataagg gcaactgagc cttcccaggc tggatactaa gcacaaagcc 720
catagcactg ggctctgatg gctgctccac tgggttacag aatcacagcc ctcatgatca 780
ttctcagtga gggctctgga ttgagagggg gggcctggga ggagagaagg gggcagagtc 840
ttccctacca ggtttctaca ccccgccag gctgccatc agggcccagg gagccccag 900
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attatacata gcattaaaga aacatttttg agaagtamaa aaaaaaaaaa 1069

<210> 798
<211> 869

536

<212> DNA

<213> Homo sapiens

<400> 798

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tttttgtaga gagatggggg ttcgccatgt tgcccaggct aatctcaa at tcctgagcta 180
aagcgatctg cccacctcgg cctccgaaag tgctaggatt acagatgtga accactgtgc 240
ctggcctggt tgtttgtttg tttaaaacat ttctccatca ctcatccag gtcccagagc 300
aaactctctc tgctctcggg gcctgtgaca ctggctatgt gctccacagt ttcagtccca 360
ggtcatactc tccaacagtt ttcagagctc catatatatg tagatgccat cctttctaaa 420
aactttctac gacctccygg aatattccta ttgatctcat tttatttagc atcagctcaa 480
gaaactaagt cttagtgcac agtatcacia caaagaaaaa gctttgtttt tataactggg 540
aaaaacaaga aaagattctc atcaaaatga aaatataaaa ttaatcattt ctcaccaaag 600
agtatgcctg ggagcctcca gctgttaaaa gacaatgcta ttactacttc ttatcaaaaa 660
tctgtaaatgc cctgtgattt ttatgatact tcttcaatac aaagtgttaa tatgtgtcat 720
cagtataata acaaccaaca aaatgccact ttcagaaaac tgtatgtaaa ttttttgtaa 780
caatgtaaaa aagaaatggg gagtaagtgt tcacatcatt aaaaggcttt gaattcatgg 840
aaatamaaaa aaaaaaaaaa aaaaaaaaaa 869
```

<210> 799

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1153)

<223> n equals a,t,g, or c

<400> 799

```
gggagaaggt gccttccctt gttttctggc cttgttatat acagatggca gcttggatct 60
caggtacagc tccaggggca ggcagtgcc agctggacct ggtggccctt tcctagtgcc 120
tctgctgggg gaggagaacc tctgtccacg tggaggctag gaggtactac caggccctgg 180
cagcaccaga gtgtggccgg gcccgagtgt ctcccctcgg cctcagggtg gggcacttag 240
caccagaag ggacaaaaag cagggcatgg cgggtgcagag gagtttgga ggtgtaaaaca 300
gccccatgca cgtggaggag gagactgttt cagccncaga cccacgcta gcactttcca 360
cgstgcttgc ccgctgttga tgtgcagttc ccagtgcctg tgtgagccga catctgctca 420
gtcctatccc tcgtcagcgt gtggagacct agctcctgca gccctcctgc tcccacgccc 480
ccagacagct tgggtggaggg tcctgcatct gggccaggct ggggtgcacc cagcmaaaga 540
caaagctgcc tccacgtgcc caaggattca gatggtgcac tggccccggg aggagtctga 600
ccaaaaatgg agcccgtctt gtggggaagc cccgactccc ccacgagaaa cggctccacg 660
gtgcgatct ccccttccc ttgtggggca cagctggcct gggcctccaa tcctgaggag 720
ctttcctggg tgtggctttg acctcagaag tggtctctgg ttggcctcag gagtgtggcc 780
tggcccagcc tgctgcagcc tcctgggggg cccttgatgc cactaatccc ccgaccccc 840
gcatctgcca aactgcacag acacacgcat tgtaaggccg cttgtggcct ccagcgtgca 900
```

538

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (601)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (606)

<223> n equals a,t,g, or c

<400> 801

```

gtttattttg gaattacaga tgcaaagtat antggaaaag aaaatgaaam ccargagaaa 60
tattgccarg cattmcarga atamcccata actaataact ttcttttgca aaaactgcag 120
tgtgctagcc tgttctgggg aagatatcca tgtaattgag aaaatgcata acgtcaatat 180
gacccagaa ttcaaggaac ttacattgt aagagaaaac aaarcactgc aaaagaagtg 240
tgccgactat caaataaatg gtgaaatcat ctgcaaatgt ggccaggctt ggggaacaat 300
gatggtgcac aaaggcttag atttgccttg tctcaaaata aggaattttg tagtggtttt 360
caaaaataat tcaacaaga aacaatacaa aaagtgggta gaattaccta tcacatttcc 420
caatcttgac tattcagaat gctgtttatt tagtgatgag gatttagcact tgattgaaga 480
ttcttttaaa atactatcag ttaaacattt aatatgatta tgattaatgt attcattatg 540
ctacagaact gacataagaa tcaataaaat gattgtttta ctctgmaaaa aaaaaaaaaa 600
ntatngcc                                     609

```

<210> 802

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

539

<222> (951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (956)

<223> n equals a,t,g, or c

<400> 802

```
aagnatagaa attaaccctc acgtaaaggg nacaaaagct ggagctccac cgcgggtgcgg 60
ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgagct cttccacccc 120
tgccaggccc agcagccacc acagcgccctg cttcctcggc cctgaaatca tgcccctagg 180
tctcctgtgg ctgggcctag ccctgttggg ggctctgcat gcccaggccc aggactccac 240
ctcagacctg atcccagccc cacctctgag caaggctccct ctgcagcaga acttcagga 300
caaccaattc caggggaagt ggtatgtggt aggcctggca gggaatgcaa ttctcagaga 360
agacaaagac ccgcaaaaga tgtatgccac catctatgag ctgaaagaag acaagagcta 420
caatgtcacc tccgtcctgt ttaggaaaaa gaagtgtgac tactggatca ggacttttgt 480
tccaggttgc cagcccggcg agttcacgct gggcaacatt aagagttacc ctggattaac 540
gagttacctc gtccgagtgg tgagcaccaa ctacaaccag catgctatgg tgttcttcaa 600
gaaagtttct caaaacaggg agtacttcaa gatcacccctc tacgggagaa ccaaggagct 660
gaacttcggaa ctaaaaggaga acttcatccg cttctccaaa tctctgggcc tccctgaaaa 720
ccacatcgtc ttccctgtcc caatcgacca gtgtatcgac ggctgagtgc acaggtgccg 780
ccagctgccg caccagcccc aacaccattg agggagctgg gagaccctcc ccacagtgcc 840
acccatgcag ctgctcccca ggccaccccg ctgatggagc cccaccttgt ctgctaaata 900
aacatgtgcc ctcaggaaaa aaaaaaaaaa aaaaaaaaaa aagggggggg ncccgnntccc 960
```

<210> 803

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (692)

<223> n equals a,t,g, or c

<400> 803

```
cgagattggt gttggctgaa catcttttaa ttctgagtta ccaacacggt gtgctgcat 60
tgatgacccg gcttcctggc ctgcccttgg tgcttgagcc ccagtaatga ttgccctcta 120
tgttgggaga agaagggaga aagtagtaca agtagtgaag aaaaaaatgt aggtggtggt 180
ggtggttgag agtacatggc acagaaaata aaggagccag gattacctgt gcctttggct 240
tctccttccc ctgctgcttt ttcttccttt ttccatgtca gtgcttggga accctcacia 300
ctggcaggta acgggggtcg gataaaatgt aaacctgtgg gtgtcttctg ctgagtcatt 360
aggatctttg tagcaggctg cggataaata tgtggatgac atggggcaac taagagcccc 420
ttttgcttgc cacctccccc cctgctctg gatgggtgtc cctcttgcta gactgccggg 480
tacagatcac gtggcaatta aggcaaatgt taataaatac catgaaacag tggtttgcatt 540
agtcttctga atagccatgg ctttgggtar tcagcaacaa agcctttcac ccttaccctg 600
gataatcaag agttgacaac agccagaaag tactgggaat agtggctttt ggccatgaca 660
tttctcattc ttcattcatg taatgggtca antcagaagt aattctgg 708
```

<210> 804

540

<211> 588

<212> DNA

<213> Homo sapiens

<400> 804

```

gaattcggca cgagggtaaa ggaacagttg atgataagga actgggtaaa gacataacct 60
tgtatagcca cacttattct catgcacatg taattttwaa ctgtratgga tagagtttgg 120
cgttccaggg agcatcgata gcactgcacg atgaccttgc tcttgtgttg cttagagatc 180
tgccgacagc cggtcagtt ccactcttcag tcattgtgtt gcacagtgat acgatcattg 240
ctggtctaaa cattgccata aacatgtctg ttccccaagc tgaaaggggg tttctgattc 300
taagggaaca aaaggttttc tggcttaaaa gacttaagac atagtcttat aatagcttct 360
ttaaaaattt cagtgggtta taatgcatag ggtttttaaa aaagagcyaa tgtgcaatat 420
atacaatagt ctatcctact gacccaactt ctcccttcca gttctcccta aggacaattg 480
ttaatcagtt tcctgtawac ccttcagaa atatatgcag awgtggcawa tgtccaatta 540
aagaaacctg atacatactg ttaaaaaaaaa aaaaaaaaaa aaactcga 588

```

<210> 805

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (611)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (644)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (679)

<223> n equals a,t,g, or c

<400> 805

```

ttactgaaag tttatatagt mtagtctatg tagataaaaa gtaccacttg tcttttctgt 60
gaattatgac tattcatttg ttaaaaatac ctaagagcaa ttatagtggg acatctaagg 120
tcctctgtaa acagtgaatt agcaaacctc agcctatgtg tttctaccct gatttttttc 180
ttttcatggg tatctgaagc ctctaagttt tttcaaaaat ggagtatcac aaaattgagt 240
gaaacacaat acttaatgta ttgtactaga ttgccaaatt cataaaatgt taatggaagc 300
tttttgatgt gattataatg gcactattct gggtcattatc ctattttgat tttatttaat 360
tttttaagt tgaagaatta aatattttta ttggttcta atctttgcatt ccatgttgca 420
ttaaacctgt ttatatgagt agtcttctgt tagaatcaca tctgtgcttt tcttgagtct 480
gctgttgaac tattagatta agtcataatt cataaaattt tagtttaatg tgctctttgt 540
aaaatgaaat tgtaagaaa ataccagtgt ttctcatccc attgactcac accacgggtca 600
tctgggattt ngggattccc tccakgcagc cagctawagt gggngtttcc caaaacaaca 660
gggaatccct tcacccatng gggg 684

```

<210> 806

541

<211> 1204

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1033)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1050)

<223> n equals a,t,g, or c

<400> 806

```

tggngctcca cgcggtgac gaccgctcta gaactagtgg atcccccggg ctgcaggaat 60
tcggcagagg cagwgccggc gtgggcggcc ggccgaggcg gaggcgcagg aagggggckg 120
cgagtcgtgc gaggtgccc ttctcactca gcattatgga tccaagcctg ttgagagaaa 180
gggagctggt caaaaaacga gctctttcta ctctgtagt agaaaaacgt tcagcatctt 240
ctgagtcatc atcatcatcg tcaaagaaga agaaaacaaa ggtagaacat ggaggatcgt 300
caggctctaa acaaaattct gatcatagca atggatcatt taacttgaaa gctttgtcag 360
gaagctctgg atataagttt ggtgttcttg ctaagattgt gaattacatg aagacacggc 420
atcagcgagg agatacgcat cctctaacct tagatgaaat tttggatgaa acacaacatt 480
tagatattgg actcaagcag aaacaatggc taatgactga ggctttagtc aacaatccca 540
aaattgaagt aatagatggg agtatgctt tcaagcccaa gtacaacgtg agagataaga 600
aggccctact taggctctta gatcagcatg accagcgagg attaggagga attcttttag 660
aagacataga agaagcactg cccaattccc agaaagctgt caaggctttg ggggaccaga 720
tactatttgt aaatcgctcc gataagaaga aaatactttt cttcaatgat aagagctgtc 780
agttttctgt ggatgaagaa tttcagaaac tgtggaggag tgtcactgta gattccatgg 840
acgaggagaa aattgaagaa tatctgaagc gacagggtat ttcttccatg caggaatctg 900
gaccaaagaa agtggccctt attcagagaa ggaaaaagcc tgcttcacag aaaaagcgac 960
gctttaagac tcataacgaa cacttggttg gagtgctgaa ggattactct gacattactt 1020
ccagcaatag ggnacagttt tgcctgggan cagagttaca gatacacawt caagagtgkt 1080
cttgctgatg ctsggggtct gaagactgtg ctccaaccg cttcttgctg ctgaggagag 1140
gagcctttcg gtgtccgaag cagttggaag ttccagatca aggctttttg gggagatggg 1200
ccat                                     1204

```

<210> 807

<211> 1327

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

542

<400> 807

```
ttgtgatttt nctcaggetg ttttgtcatt ttaaaatcca gtggtagatg tagcttagcg 60
acggtagttt tttgttttgg ctatactaag acttggaat tattctctcc agtgtcagcg 120
aatccagaag ggtatcagat taaacaccga attcagccac tggactttta aaagtactta 180
agatggttta tctcgggttt tttcttcagt taacaaaatc ataaatatgg tgccttataa 240
catgaaagga aaattagttg tgtatttcac gacgaaagcg acggaccaa agaaatttcc 300
tgccccaaga agcatgggat ccaggaaggg gcgcgtagat gcttaacggg ctcttcggaa 360
atcctgcaaa tagaaagata attctagatc cggaatacct gtatctggtg gaaaccatgg 420
atctctacaa gctcgaatta ttcttcattg tatagcctgc tttgtaaact agtttacaat 480
ttgcaggctg atcttaagat ttttttataat ctaattgctg ctgccttcat tttagggtca 540
gcagttactt ttaactacct taatttattg ccagaaggta tgagcctaac attctgatga 600
gtccagaaaa ctacgttttg tcagtagcaa tacactagga agtaaaatat atttagaatt 660
taaacattgt gtgccagtgg tctctgcgct tgactgcaca tcagttactt gaagagccac 720
acctcagatc aatgcagtca gaacctggga agtaggtccc agacatcagg acctttttaa 780
agctcccaa gtgattctac gttcccaag tttgaggacc acttttctgt gcattggctt 840
gcacaatttg aaaataatgc ttttcttgag ctggatccca gtgttgctt aacagggtgt 900
ctgtcgtgcc gcagtagagc actgctgctt cctccaaccc caaaatttat gttcctaagt 960
aagtcaggtc cctaagcccc gtccaagaa gtgacacaag tggccaacat ccacactgta 1020
ggcttgacag ctaccgccc tgagatttgg taaagaacac tgccttgctt cccatcagta 1080
aacaaggtta cctacctcag gaggtgctt gtgagagagc aaatgcagta tcttcagaat 1140
gatttatttt ttaattaat tgtaaagact tgtgccattg gctgctctt ctagtccct 1200
aaatttctgt tctagtttta aatttctcta gaacttgcaa tagttggggg ttttataatg 1260
atgttttaca atgtttattt cttaaataaa aacttaaaaa ttcaaaaaaa aaaaaaaaaa 1320
aaaaaaaaa 1327
```

<210> 808

<211> 685

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (598)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (601)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (651)

<223> n equals a,t,g, or c

543

<220>

<221> misc feature

<222> (652)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (679)

<223> n equals a,t,g, or c

<400> 808

```

gggcatcttg tgatgctatc ttgctagggtt ttccagtagt gtgtcagata aatgttgaat 60
tgccagtaac tgggtgtctgg ttgattgctt gccactgcag gtgattctga attgctgtga 120
gggcagaaca cccaaggaga caatagaaaa tttgttgac agaatgactg aagagaagac 180
gctgactgct gagggtttgg taaaactcct ccaggctgtg aagacgactt tcccaaacct 240
gggccttctg ctagagaagt tgcagaaatc agccactttg ccaagcacca caggtcattg 300
agaagcttgt gaaacgtgac tctggttcag gtgggttcaa ttctctgata tcagcagttc 360
tagaaaagca gactctctct gccacagcca ttgggcaact gctgctggtg gttcaggaga 420
caaagacctg tccattggac ctgctcatgg aggaaatacg aaggagcctg gtgccgatgc 480
tttcttycgg gcagtgaaca cccagaaca tgccacttta gaaacaatcc tgaggcataa 540
ccagttgatc ttggaggcca tccaacagaa gattgagtgc aagctcttta cctcgganga 600
ngagcacctg canaaactgt gaaagagatt ctgagcattc ctctgagaca nncagccctg 660
aaactttcct gaaaagcant gctga 685

```

<210> 809

<211> 857

<212> DNA

<213> Homo sapiens

<400> 809

```

attccagcta ctggggaggc tgaggcggga gaatcgcttg aacctgggag gtggagggtg 60
cagtgaagcc agatcgcgcc attgcactcc agcctggaca gcaagagcaa aactccgtct 120
caaaaaacaa aaacaaaaac aaacaaaaaa attccccga gagaaaacct gtctttccag 180
ccagaggagc agggaaaaat gaccctatgg tctgaagaat gtggaaataa tccatctttt 240
tttctctctc tgctttctgc ctgaggggag ttccttttgg caaaatgagc aggcagtgtg 300
ggcaggtaat catcagagag aaagcccac tttctaagcc agaggatgag gaaaaggggc 360
cccctgggtg ccaggagatc tggggggaaa tcctgaagag caaagacctg aaaagaggat 420
tctctaattc tgtacatgag ctgaattccg tgctcagccc agagctgcac atacaagaga 480
cagagcccag gcaacacagc cacactctga actgacactc ggaccaccac caccaaacag 540
aaggcaacgc aggacctgca gactaaggct aacgaggctg attgcctgac aaaacagaaa 600
aaaaagaaac attcttcagg gaatttttagc agaacacaga gtctcccaac ataaaacaga 660
cagtcctcac tgcacagcag ttcagaactg taaaaatgac cttccaacct gaaactgcc 720
tgtgtgttgc ataataatta atgggtaaaa ttgtgatttt tttcctgtct tttgaaaatt 780
gtcaaaacat tgataatctt gtactgttag aaatgtataa ggaaacaata aagtaaatat 840
ttttgtaaaa tgtaatt 857

```

<210> 810

<211> 291

<212> DNA

<213> Homo sapiens

544

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<400> 810

```
gatttagagg aaataattct gtactacttt ttgagtgtgt tttttaatgc ttttacttct 60
ggtgtgggca tgctggattt tatatttcta aaaaccaata aaatttggaa ggcattgcct 120
ctaaatgtta cctaaaaaat agaaaacaca accataaata tgcctagtaa ttagcacata 180
ttttatttca tagaaactga ttcctggctg gacctgggtg ctcacacctg gtagtcccaa 240
cactttggga ggttgaagca nggggattgc ttgaaccttt gagtncagga g          291
```

<210> 811

<211> 965

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (965)

<223> n equals a,t,g, or c

<400> 811

```
tcactggaaa atgacaagat gagacttgag aaagatttat cattcaaaga cactcaatta 60
aaagagtacg aagaactctt ggcacagtg agagcaaata atcaccagca gcagcaagga 120
cttcaagact caagttcaaa atgccaggca ttggaagaaa acaatctntc tcttcgacat 180
acactatcag acatggaata cagactaaaa gaactggaat attgnaaacg taatttagag 240
caagagaatc aaaaccttag aatgcaggtt tctgagactt gcacaggccc aatgttgag 300
gctaaaatgg atgarattgg caaccactac acggagatgg taaaaaactt gagaatggag 360
aaagatagag agatctgcag actgaggtcc caattaaacc agtaccataa agatgtttca 420
aagagagaag gaagttgtag tgacttccaa tttaagcttc atgaactgac aagcttgctg 480
gaagagaagg attccctcat aaagcgtcag tcagaggaac tctccaagtt gcggcaagaa 540
atatattcct ctcataacca accctccact ggtggaagga ctactattac cactaaaaag 600
tacaggacac aatatccaat cctaggcctc ctatatgatg actacgaata tataaccacca 660
ggtagtgaag cacagactat tgtgattgag aaaacagaag acaaatacac ttgtccatga 720
atggrtccac tttaaagtat tacaactcaa agccgttttt tttgtgtgtg tgtgtctctg 780
```

545

cattagtact ttgttatttt tccatcacta aaggccaatc agaattttgga accatgctgc 840
tacccaagaa atctaattgga atgaattagt tctgtagatg acaattttctt caccatttta 900
tgagacctaa atctttttcca taacactcat gtatttcagta twacacatac taactggaag 960
agggn 965

<210> 812

<211> 1561

<212> DNA

<213> Homo sapiens

<400> 812

gcccacgcgt cgcccacgcg tccckgggagc tgaattccgg aagatcccca catcgatgaa 60
agcaaagcga agccaccaag ccattcatcat gtccacgtcg ctacgagtca gcccatccat 120
ccatggctac cacttcgaca cagcctctcg taagaaagcc gtgggcaaca tctttgaaaa 180
cacagaccaa gaatcactag aaaggctctt cagaaactct ggagacaaga aagcagagga 240
gagagccaaag atcattttttg ccatagatca agatgtggag gagaaaacgc gtgccctgat 300
ggccttgaag aagaggacaa aagacaagct tttccagttt ctgaaactgc ggaaatattc 360
catcaaagtt cactgaagag aagaggatgg ataaggacgt tatccaagaa tggacattca 420
aagaccaagt gagttttgtga gattctaaca gatgcagcat tttgctgcta ccttacaagc 480
ttctcttctg tcaggactcc agaggctgga aaggggaccgg gactggaaag ggaccaggac 540
tgaacagact ggttacaaag actccaaaca atttcatgcc ctgtgctggt acagaggaga 600
acaaaatgct ttcagcaagg atttgaaaac tcttccgtcc ctgcaggaaa ggattgatgc 660
tgatagaaga gcctggacag atgtaatgag aactaaagaa aacagatggc tggagatgac 720
atttatccag ggtcactttg tcaggcccta ggacttaaat cgaagttgaa cttttttttt 780
tttttaacca aatagatagg ggaagggagg agggagaggg aggacagggg gagaaaatac 840
catgcataaa ttgtttactg aattttttata tctgagtgtt caaaatattt ccaagcctga 900
gtattgtcta ttggtataga tttttagaaa tcaataattg attattttatt tgcacttatt 960
acaatgcctg aaaaagtgc aacatggat gttaagtaga aattcaagaa agtaagatgt 1020
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<210> 813

<211> 941

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

546

<222> (11)

<223> n equals a,t,g, or c

<400> 813

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gatgactgta aatgactacc tggaggtcga ttaaagtgcg gtactgcggg attcagccga 240
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tggaattggc tatggataat tcatatgctt tcaatcaacg aagcacatgt aatggaattc 360
catctgagaa gaaaaacaac ttcttgtat cagaagatca tggacaaaaa atcttaagtg 420
tactacagaa ttttagagaa caaaatgtct tttatgattt caaaataatt atgaaagatg 480
aaataatccc gtgtcatcgt tgtgtgttag cagcatgcag tgactttttc agggctatgt 540
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gtctggaatc agatgaatta aatgttcctg aagaagaaaa a 941

```

<210> 814

<211> 3692

<212> DNA

<213> Homo sapiens

<400> 814

```

gctcgtgccg aattcggcac gagagactga cgagtgcggt gtcgctccag ctacagctc 60
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cgcccggcgc gcaccgagca gccgcggcg cgcagcagcc accgtcccg ccaagcgccg 180
gccctgcccg cagcggcagg atgaatgatt tcggaatcaa gaatatggac caggtagccc 240
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```

547

```

acgagaagct gagccggggc ttacgctact attacgacaa gaacatcatc cacaagacgt 1500
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attttgttta tataaaaaaa aaaaaaaaaa at 3692

```

<210> 815

<211> 1427

<212> DNA

<213> Homo sapiens

<400> 815

```

tcgacccacg cgtccgcca cggcgtccgc aaagcctgag tcctgtcctt tctctctccc 60
cggacagcat gagcttcacc actcgtcca ccttctccac caactaccgg tccctgggct 120
ctgtccaggc gccagctac ggcgccggc cggtcagcag cgcgccagc gtctatgcag 180
gcgctggggg ctctggttcc cggatctccg tgctccgctc caccagcttc aggggcggca 240
tgggggtccg gggcctggcc accgggatag ccgggggtct ggcaggaatg ggaggcaccc 300
agaacgagaa ggagaccatg caaagcctga acgaccgcct ggccctctac ctggacagag 360

```

548

```

tgaggagcct ggagaccgag aaccggaggc tggagagcaa aatccgggag cacttggaga 420
agaagggacc ccaggtcaga gactggagcc attacttcaa gatcatcgag gacctgaggg 480
ctcagatctt cgcaaatact gtggacaatg cccgcacgt tctgcagatt gacaatgccc 540
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tgagaaacga catccatggg ctccgcaagg tcattgatga caccaatata acacgactgc 660
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tggtgtctga gaccaatgac accaaaagttc tgaggcatta agccagcaga agcagggtac 1380
cctttgggga gcaggaggcc aataaaaagt tcagagttca aaaaaaa 1427

```

<210> 816

<211> 425

<212> DNA

<213> Homo sapiens

<400> 816

```

aagctggtac gcctgcaggt accggtccgg aattcccggg tcgaccacg cgtccgctga 60
tgacaagaac gatgaaaaat gcatgaaagt tgacttagta tcttttcata ttcacctatt 120
atggttgata atgatagctc tggtaacaagt gataaggatc atagtgaat acttgatgga 180
attagtaaca taaaactgaa ttcagaggaa gtaacacaga gccaattaga ttcctgtaca 240
agtcattgat gtcatcaaca gctaagttaa gttagtagca aaagagagtg ccctgcttcc 300
ggccaaagtg aaccacgtaa tggaggaacc aatgaggaaa gcaactcatc ggggaataca 360
aacacagacc caccagctga ggattcacag aagtcttcag gagcraacca agcaaagaca 420
gacca 425

```

<210> 817

<211> 375

<212> DNA

<213> Homo sapiens

<400> 817

```

gtaccggtcc ggaattcccg ggtcgaccca cgcgtccggg gaggtctagg aagatcctga 60
cacataagaa ctttggctta gagagctttc cagggttagt gccaataaaa actgacctgg 120
aaagaaaacc tgcccagcac ggaacatgct ttctgaactc acttgagagt gtatggtgta 180
tgtcacttct catatattct tgagtttaga tttgtctttt atacaatttt tagctctttt 240
ccagttcact tgtgctcgtc tgtatatagg tattttttaa tttttgtggg aaataatgaa 300
aagagtgaat ttatatatta taattactca tttgtagttt tttttttaat ttaataaact 360
tcctccaaaa agtgc 375

```

<210> 818

<211> 1216

<212> DNA

549

<213> Homo sapiens

<220>

<221> misc feature

<222> (1213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1215)

<223> n equals a,t,g, or c

<400> 818

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gaaatctctg caggcaagtt gctccagagc atattgcagg acaagcctgt aacgaatagt 180
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cattagcaat atgggtacga gtaagcaatg actctcaagc aatttttggg tctgaagatg 360
taggctctag ctccctacgtt gctgtggaca tattgattgc ttaggtgccc atcatcatga 420
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ttttcatagg cttgcttctg atcctgctcc tgcagggtggc gacagggtatc ctaggagctg 540
ttttcaaatac taagtctgat cgcattgtga atgaaactct ctatgaaaac acaaagcttt 600
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aagtttaciaa agagacctgt atttctttca taaaagactt cttggcaaaa aatttgatta 840
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catattgaac acatttaaga tttgagggat ataagggaat atgatatgaa tgtgtatttt 1140
tactcaaaat aaaagtaact gtttacgttg aaaaaaaaaa aaagggcggc cgytytarag 1200
ayccarctta ctnnnc                                     1216

```

<210> 819

<211> 1304

<212> DNA

<213> Homo sapiens

<400> 819

```

aaaaaaaaaa aaaaaaaatc taagatagag gtttgggtcaa cagtgcctaa taataaataa 60
gaacctcctg ccattctaatt tttcctgctg cccccatcc cccacacacc cctcacgaac 120
attgatataa gcagattataa cacagtataa agaattgtca ccttgcatat gtcatttcag 180
gcacatggat tcaggagaag cacagttgag tggaagaaat ggtagacttg tgaggcttgc 240
cccaggcctt gtgtacacgc aataagtggg gagccatggg tctctccgct agcgccctcc 300

```

550

```

tccccgccac cacttcaggc caacaattta aggtgctgag ttgtaaggct cctccattgt 360
cagtacaggg ctgcctttg tagccctgat cactaccagt acacttttca agacaactga 420
gtatttttgt atgcctttgc cttccctttg tccatgaaac atgaagagtt gtttatgggt 480
cttgacttct ctgagcagag tgtctgcac tcttgagag ttacacattt cttcatgagc 540
cattttttctc attcttagat gcacctgttt ttatcctttg cagaccatct tctgccttct 600
tattttctctg tctgtcaaag acagaaatta caggagatag ggagggtttt ttagcatctc 660
tttcaaaaga tgtatgtcag aatttccttt gcacaccaag aactggagct tagagcccca 720
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tcttctcatg ttactgggtt tgtaaatgaa taaacacatt ttaactactc ttgcacggct 1260
gcttgtgaaa aaaaaaaga ataaaaaaa aaaagtttgt cgac 1304

```

<210> 820

<211> 994

<212> DNA

<213> Homo sapiens

<400> 820

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gcggccgcag agactgggtc gccttggatt ccctctgcct ccgaggaccc caaaagacac 60
ccccaacccc aggccagccg gccctgctct ggcgcgcca aaatactacc tagcacaggc 120
ctctgtctga ggcaccccc aactacctat gtatccagcc ccagagggcc tccattccca 180
ggaagtccct atgtatccca aactggcag acaccagca ccacctccc agaccgcaa 240
gaaagtgaat ctactacta cctactcccc taaaactacc tattttgtgc tggctggctt 300
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ctattttaat cgaaaaataa tatatttatt caaaaagca tcctaagtgc ttgcacccta 480
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tgctcagctc catcctgggg ttcagggaag gcacacttcc cagcccagct gtgttttatg 960
taaccgaaaa taaagatgct tggtagacaa gaaa 994

```

<210> 821

<211> 498

<212> DNA

<213> Homo sapiens

<400> 821

```

caataggaac gtcaagtttt gcaaatcact ctccagctgc aagacttttt ccagctaaca 60
aggaacgtga agaaatwcag acttttaaac agcaawtrgc agwtttacgg gaagatttga 120
aaagwawgga rwccaaatgg tcaagtacac acagccgtct cagaagccag atacaaatgt 180

```

551

```

tagtcagaga gaacacagac ytccgggaag aaataaaagt gatggaaaga ttccgactgg 240
atgcctggaa gagagcagaa gccatagaga gcagcctcga ggtggagaag aaggacaagc 300
ttgcgaacac atctgttcga tttcaaaaca gtcagatttc ttcaggaacc caggtagaaa 360
aatacaagaa aaattatctt ccaatgcaag gtaagaggct gcatgatctt tttataaaac 420
atctcagaat gtaaggaata aacaatttat acccaactta ataaaacatt tcttaataaa 480
tgtttttgaa catttgaa 498

```

<210> 822

<211> 796

<212> DNA

<213> Homo sapiens

<400> 822

```

accatgatta cgccaagctc gaaattaacc ctactaaag ggaacaaaag ctggagctcc 60
accgcggtgg cggccgctct agaactagt gatccccgg gctgcaggaa ttcsgcacgm 120
ggctcraggta atgaatacat acatttttct gtgataaaac tcttaaaagt taattttaat 180
gtattaatag tattcctaata gtgtgctgca gaaatggcta tgagcctctt aaatttacat 240
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gttttttact tcattatctt aatttgcttt gtactcata aaaaggaaac catacctgag 360
ttgtagacaa tgaggaaaca cttgaggctt ctgctgtgtg ttcttttgtt attgttgta 420
ttgttggtac tcagtaactt gaatttggtt taatgtgttg taagacgtag agtttatctc 480
aagctgttaa aaatggtaat gtacaaatgt gaatagacac ttatctatat aatatgggta 540
agttttgttt cgcctataat agatgtttat aaaaacaagt gaggggacag ttggtctttt 600
tatcttttct ttcttttctt ttcttttctt tttttctttt tttttttttt 660
gcttccacag gttgcactat tgaaaaatcg agattgtata aacctggtaa aaagctgcaa 720
gatgccaaaa tcttgtagat gtcaataaaa aagttattat actaaaaaaa aaaawaaaaa 780
aaaaaaaaaa aagcaa 796

```

<210> 823

<211> 503

<212> DNA

<213> Homo sapiens

<400> 823

```

aatcgctgaa ccaggagcgg agttgcagga ggagaytcac cactcacttc agcctgggtga 60
cagrgggagc tctktcttaa aaaaaaaaaa aaaatcatct gtaaaataaa ttccgggata 120
gtcgttttgt tcaaggaaat gttttgtaaa ttgagctcac actatataat ctttattgtc 180
ctatcctgat gtataatata gcaggataaa ttacaccaag cgctatagtt ataaatatgg 240
catgaagtga actatggcct tttatttctt tccagtgtga acacagcagg tgtgagatgt 300
catcttggaa gacaggcctt gcagaaatag gcctacatcc aaaatattat cttgtgactc 360
catgaaccat tcattaaccc tttgtatctt tgagtgaaaa ttttactcaa aagttgcata 420
tggaagtctg aagaaattac ttgaaataaa aataaagatt tctatataga taaaaaaaaa 480
aaaaaaaaatg cggccgcgaa ttc 503

```

<210> 824

<211> 588

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

552

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (555)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<400> 824

```
gctggcncgc ctgcaggtac cgggccggaa ttccccgggtc gaccacgcg tccgtttgaa 60
tcctttatta tttttaattt tagaaatata acagttcaca tkgcaatatt ccctttaatt 120
tactattttt aaaggggtat tgtaaatatg aaagtattta taaagtgaat tgctattttt 180
tctgttcaga aaagtacaca cttaaaattg ttattgttaa caatgtgtaa acacatttaa 240
aattgttatt gttaacaaag aaatcatgga gaactgtaga ggttttcaca gtggatccat 300
tttctgacag ttttctacta tctattaaat catatctgct taaatatata gcttctatct 360
gtctttaaat cttctcatta aaatgtataa gcagtgaytt tgatctcaaa aataggtaat 420
ttttctttgc cgacctgtaa aagtgtgccaa atacactaaa tttgtgattt taaattaatt 480
cctccagctg ttgaaatgaa gtctgccaaa tcttgcctca acaataaaaa tgttatyttaa 540
atgaaaaaaa aaaangcgcn ttaagaccan tactcctctc acgctctt 588
```

<210> 825

<211> 965

<212> DNA

<213> Homo sapiens

<400> 825

```
tggtttttatt tttaaactat caatgttggt taaaataatc atgtacttgt tgagttcctg 60
aggtttggaa caaattacac ataaaattta gaatacttta tttctgaaaa gcatatacat 120
atatgttatg tttatttttc cttgttgatt agaaagggtga tggaatatgt gacaatgcaa 180
aatkaattga taatttttct gtattttgag tgaaagttgt ctgtaatatg tcaagcaaga 240
atgttataat tctacagtaa tgtgtgactt catgacagag ctacattctg agaaatttgt 300
cattaggtga tttcatcatt gtgtgaacat catgaagtgt acttacacaa acctaggtgg 360
tagagcctac tgcacacctg ggctagatgg caaagtctgt cgcttctggg ctacagacct 420
gtacagcatg gtactgtatt gaatactgta ggcaactgta acacaatggg atctgtgtaa 480
tctaaacata gaacagataa tacattgtgc tacaatgtaa caatggctgt ggcactacta 540
ggtgatagga atttttcagt tccattataa tcttatagga tctctgtcat atgtgggtcaa 600
ttgttgatcg aaacatgact gtatgtcgta ttttcagaaa atggaatagg taatcatcac 660
ttgtgtgaat tttaatcaaa tgacttagga aagaaactgg atgtttcaaa agctgttgca 720
tttattacaa atgtcacaaa tacagctctt gccttttgag aatgttggag agatgtcttt 780
aaaaaatatg tttgtgtgta aaaatgtgtc tgtatgcaat agctagaaaa atgcctgtgt 840
cttaagtcac tactcatggt ctaatttttg ttctttgtac tatttatctg tatgcttggt 900
```

553

cttcagtatt tcagactcaa aataaaattta tttttttatg ttataaaaaa aaaaaaaaaa 960
 aaaaa 965

<210> 826
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 826
 agtggcaggt gtgtggccct gccctggccc cgtagtgagt gtggggccca cctgtgccct 60
 catgggcagc tgaaggggga gctttctacc ccaggttcct ttccttactg aaaagtcttg 120
 agcaaacagt tgcgctctc caccctctgc tttttaaaaa aaatttttct tcacgtaaga 180
 aaatgttatc tgtgtgctgg ggaaaatttt gaaaataaca aaaaccagaa tacaaacacc 240
 cataatcaat cacagagata accactgttc ataattcctt ccagtcttct tacttggcac 300
 atatacatct gtctttcttt atatatgaca tatggatatt ttacaaagtt aggatcctac 360
 tctatgcact gcttggtgat cggatctatt caatgtacaa aatattttga aagtttctgt 420
 gattaaatgt tctttgaaaa cataaaaaaa aaaa 454

<210> 827
 <211> 754
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (83)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (502)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (752)
 <223> n equals a,t,g, or c

<400> 827
 actatagggt aagctggtac gcctgcaggt accggtccgg aattcccggg tcgaccacag 60
 cgtccggtct ttggattcta atnaactcag catcaatttc tcacctcaga ctacagtga 120
 tttttatttc ctatcagctg aaatatttca cagatggaag ctcatgtttc agtttttaag 180
 actgccttga ataaacaagt tgttgccact tgtttcaaac aaaagcctaa aaataatcta 240
 cattcaattt taggtcccat tgactaatat ggtgttgctt ttggaagtac tgtatatcct 300
 cacatggaag ccaaattggt aaattatttg aaggacacac cactgtacag aaagtagtgt 360
 ttcaaataata aatcgaagaa caaagagtgc tccaaaaaat aggtcattct tttattttca 420
 taaagtatct aaactgtact aacattcagt gttgtgtttc attctaaatt tgcagctgaa 480
 ataaatttat ttgcgatarg anaatatctt attattcatc ctacagaaata aaggatttga 540
 agggatagag attatatgat aaatttatag aagactttca gaatttgaat gcattttgtt 600
 tagtgttatg aaatgacaat agggaaaaag tctcgacttc aattttaaag ttacacaaac 660
 aaacaaatct acaggcmtgt ctttatatac cctcagggtc ttaggttttc caaaggaaat 720

554

ttgttgggat ataacttggc gggttaactc cntt

754

<210> 828

<211> 1437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1435)

<223> n equals a,t,g, or c

<400> 828

```
aaggggagat catctgagtc caccacaccc ttgaatgttt cccgcgagac tcttcagcaa 60
cataaactgc ttaaggtgat taggaagaag cttgttcgta aaacgctgga catgatcaag 120
aagattgctg atgataaata caatgatact ttttgaaag aatttggtac caacatcaag 180
cttggtgtga ttgaagacca ctcgaatcga acacgtcttg ctaaacttct taggttccag 240
tcttctcatc atccaactga cattactagc ctagaccagt atgtggaaag aatgaaggaa 300
aaacaagaca aaatctactt catggctggg tccagcagaa aagaggctga atcttctcca 360
tttgttgagc gacttctgaa aaagggctat gaagttattt acctcacaga acctgtggat 420
gaatactgta ttcaggccct tcccgaattt gatgggaaga ggttccagaa tgttgccaag 480
gaaggagtga agttcgatga aagtgagaaa actaaggaga gtcgtgaagc agttgagaaa 540
gaatttgagc ctctgctgaa ttggatgaaa gataaagccc ttaaggacaa gattgaaaag 600
gctgtggtgt ctcagcgctt gacagaatct ccgtgtgctt tgggtggccag ccagtacgga 660
tggtcttgga acatggagag aatcatgaaa gcacaagcgt accaaacggg caaggacatc 720
tctacaaatt actatgagag tcagaagaaa acatttgaaa ttaatcccag acaccgctg 780
atcagagaca tgcttcgagc aattaaggaa gatgaagatg ataaaacagt tttggatctt 840
gctgtggttt tgtttgaaac agcaacgctt cggtcagggt atcttttacc agacactaaa 900
gcatatggag atagaataga aagaatgctt gcctcagtt tgaacattga ccctgatgca 960
aaggtggaag aagagcccga agaagaacct gaagagacag cagaagacac aacagaagac 1020
acagagcaag acgaagatga agaaatggat gtgggaacag atgaagaaga agaaacagca 1080
aaggaatcta cagctgaaaa agatgaattg taaattatac tctcaccatt tggatcctgt 1140
gtggagaggg aatgtgaaat ttacatcatt tctttttggg agagacttgt tttggatgcc 1200
ccctaattccc cttctcccct gcaactgtaaa atgtgggatt atgggtcaca ggaaaaagtg 1260
ggtttttttag ttgaattttt ttttaacattc ctcataaatg taaatttgta ctatttaact 1320
gactattctt gatgtaaaat cttgtcatgt gtataaaaaa aaaaaagatc ccaaataaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aananaa 1437
```

<210> 829

<211> 973

<212> DNA

<213> Homo sapiens

<400> 829

```
gtgaaacaac aacaacaaca acaaaatgta gtcttaggaa gcagcaagtt cactgacttg 60
ggatctttat gacagttttg ttgttgccat tgatattgtt ttgtttattt tttgttttca 120
```

555

```

gatgagaaag ttttctacat gttatctttt ttctaggagc tcaaagtgt catcattcct 180
ttattatagc taggtttact gactcatata ctaaggaagt agctaaaatt ataaaaataa 240
tttgttttta aaaccatatt taactaaggg aactaagtaa gttccaatga gcagtgggtct 300
catgcraggt attttcaata ttttaaaatt tacagatgaa tatttaaata tattataaaa 360
gttttaataca gctatctcta agaaaataca tttcttaaag ggaaatgaaa ttcacttgac 420
tttaataaaa acaaatgaac tcatttcattg tttttaacta ttatctaact ctcccttact 480
ttatgrtgct ggcaagctgt tgagagcctt gacatctcca tctgcagaaa aatcacagtc 540
ttagaaatcc tattaatcgt gtgaggtacc tgggtcatag tagcagcttc atgcagtgtt 600
aaaattatat gatgattata tgcagtaaca gatgaagaaa aaaagaaaga aagcaggaga 660
aatgcaccac ctcatctcatt gtaaattgcag tatagttgat tttttaattt gttttatgtc 720
ctctagtgat ctaagcatga agcttgaatt attataataa agaaaataaa tgcaatgcag 780
ttggggatgg caaatgttaa tgcttatctg tatcaaagac taacactgtc ttcaggatta 840
tccttggtgg attatccttg gcagacactt aatgagcaga gagaagctac aatgttgaag 900
gacaaaagtc ctttgtcatc ttattatcga aataatgttt aatacaaata aactttttta 960
attaaaaaaa aaa 973

```

<210> 830

<211> 814

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (619)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (789)

<223> n equals a,t,g, or c

<400> 830

```

gccattcttg aggaaatata gagatgacat gttttcaccc caactatctg gtgctattga 60
atgactaatt cagtcacctaa agttctgtga aaacacaaaa gtctaattgat ttgagtga 120
aaaaggtaat ggtgcatttg aacaagtaaa tgctgtcgtg gtcagcaaga tccgkgattt 180
gaacatgtga tgactggaaa aaggtttggg ttatttggaa ctctggctaa aacttctttc 240
gggtgacatg tgatcgttta aatggcatta agtgaataaa gcacacagac agtgctactc 300
ttgaccacta ttttaccatt tctttgcaaa cagtgttcac attttcatat tttttcccta 360
actaaaccac caaagaaaga catthttgtat gtatatacag tgtgtgtgta tacaaaatca 420
tgatatagta gaatgcaact actttctttt tctaccaaac gaaagggttt atttgctgtg 480
aaataaacca gaagttttaa aaaccctgta gtgattaagc atacttaacc actccttatt 540
tgtagattca ctttcaacct taaaaattaa taccagtttg cataaaccaa tatctgaaaa 600
gaacaggaaa tgtaaatgnc aagcaacagc tattaatact gatgtgaatg gatgcatttg 660
ttttgcagtg gtgactggcc taggcaggtt tgggatctgt gaaagaattg attcattttc 720
aaaattattc cataaagtta aaaagttaca ctttaagggc aacagggtcat acagttcttt 780
aaaatctgna tccaactgta gctttattta aaag 814

```

<210> 831

<211> 611

<212> DNA

<213> Homo sapiens

556

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<400> 831

```

gcggaatat tccatcagct tttcaaagcg gtgctgctcc ccacacacct gggtaagggg 60
aatggctctc actgaggccc agtgacacac gtcctaagct accttctggc tgccacacct 120
gtgcttcaac aggctcctct ccagttaatt ctaagttgag ccacgtcact cttctgctca 180
naacctocac tccctctcaa tctcccactc tccctcactt tttccactct ggccacactg 240
gcatcctggc acattccmac ccmagggcct ttgcacttac tgttccaaact ccttgagtg 300
ccctcactcc cacaccaagt cccttgcttc cttcacagct ttgctgaaat ctcacttgct 360
cagtggaggcc ttccctgacc accctgcaac caattccccc tccctctgca acattgctgg 420
cttttttctc ayagcattta tcatttccta acatactatg taatttgctt gtttattata 480
tcgtttctgt ctttccctat atggtttcct ttgttctactg atgtgcccaa gtgccctgtt 540
cctgacacat agtaggcact caataaatat tcattaaagg aatgaatgaa tgaaaaaaaa 600
aaaaaaaaa a 611

```

<210> 832

<211> 588

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 832

```

ccaatttnca caggaaacag ctatgaccat gattacgcca agctcgaaat taaccctcac 60
taaaggggaac aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtgatcc 120
ccggggctgc aggaattcct tttttttttt tttctgagac agggctctcac tctgttgccc 180
tggctggagt gcagtgggtg aatctcagct cactgcagcc ttgagtcagg ctcaggtgat 240
tctctcacct cagcctccca agtagctggg accacaggcc cacaccacca agcccagcta 300
atTTTTtGta tttttaagta gagacgggtt tcatcatgtt atgcaggctg ctctcaaact 360
cttgagctca agcgatctgc tggcctcagc ctcccaaagt tgggattata ggcgtgagct 420
accagatttt ttcttattaa tctaataatt ctttgtatag tcttgatatt atccataayg 480
tgtattgcaa atatcttctc taactctggc ttgactggg tatgggtgtc tttttttttg 540
gggggggggt tttgaaacag ggcttgctct gtaccagct ggagtgtg 588

```

<210> 833

<211> 436

<212> DNA

<213> Homo sapiens

<400> 833

```

gtgagaagcc attctcttct tttactagta tgaagtcac agacgtcttc tccagcaaag 60
gaatgacacg ctgggggggaa tttgacgatc tctatcgat tagtgagctg gacaggaccc 120
agattcctat gtctgaaaaa aggaattccc aggaagacta tttatcttat cacagcaaca 180
ccctgaagcc acatgcaaag gatgaaccag actccccagt gctctataga accatgagtg 240

```


557

aagcagctct ggtgagaaaa aggatgaagc ctctgatgat ggacagaama gaaagacaga 300
aaaatagagc ctctattaat ggacacttct ataaccatga aacatcaatt ttcattccag 360
cctttgaatc asaaactaag gtcagagtam acagtamcat gagaactgaa gaagtaataa 420
agcaacttct ccaaaa 436

<210> 834

<211> 1090

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<400> 834

aattcggcac gagcctgcct tggcctttca aagtgcctggg attacaggca tgagccaccg 60
cacctggncc ttctaacgtt tttcatcat agtcccaaaa accaatactt tacaagtggg 120
tttgaaagg caccactttt gtggcatgtt ctgggtggga gagggagtca cagttcctac 180
tcnccccacc agctatgctt ctgctctgag aagggtggta ttatacaaa catggacata 240
ctcactccca agggctgatg agatgctgaa tttcttttgg gggcattcat taattgtccc 300
agctgcagcg actggagcaa gtctggaagc tgctgtgct aagaccacc agctgtccct 360
gggtttctcat cctagggcct tctttgcttc caggtcaggg gacctgttc aatgagaaag 420
caactgaatt gaggctagga gaggtaggga gagctgagtt ctgacttcac ctgtgcagaa 480
ctctctgccc ccatgttacc tggactggaa cagactgtga atatagcaga aggttccaag 540
aactctgggtg tctgacctag aagaggcaca gttctctcta ctggaaagaa aacgatgtag 600
ccgattgcac aagggtgcca agggaagacc caggatggcc catcaaagga acctggggga 660
ggatgcagga ggctgaaggg atgcacctgg catttctctc actgtgctct taccgcatca 720
gcaaccccca acttttgggc ctactctgcc ccccatgcgt gaataccctg cttggatgct 780
gtgcttttcc ggtttgtctc taagccctt tctccagggc atgttggtt cctggcctc 840
tcagtgtcct aactggagcc cagagtgcct tggtctgagc caggagacgg ctgagcactg 900
gccctccaca cctaagcgtc ctttacatta acttattggg cttgtataac acctgggtgcc 960
attgccaaagt ggctgtgtcc tcagctacag agctggaatt gtgtggggtt tagtgctaaa 1020
tacttcaata aagtctgttt tttgtgattg gctgaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa 1090

<210> 835

<211> 960

<212> DNA

<213> Homo sapiens

<400> 835

gggcactttt ggggcgggtg aattcaagac gctctggctg aagattcaga agtatctggg 60
aactctcttt tcttctggg cactctctcc tctgttctaa tcttccctta cactcattcc 120
tggtecatg tattctgacc acatccttaw tcattggtcaa aactattgag tcttgggcac 180
attgggtcatg aaggacaag aaggcaatga gagactctca tgccaaccac tgccctgaaa 240

558

```
gccctgctgt tcagacagca aaggggccag cactggccaa gctcttatgc ttgctctgaa 300
accttcttgg gaggagtcaa tagggctccc ttttgaaagt gtccctggcc ttttgagaaa 360
gcagtgtggt ggagggagat ggttctggca ggggcgtgaa tggttgtttt ctacttggga 420
tttctttcct gcttttaggag atctattggg aaactgatta taaccactcg ggcaccatcg 480
atgcccacga gatgaggaca gccctcagga aggcaggttt caccctcaac agccagggtgc 540
agcagaccat tgccttcgcg tatgctgca gcaagctygg catcaacttt gacagcttcg 600
tggcttgat gatccgctg gagaccctct tcaaactatt cagccttctg gacgaagaca 660
aggatggcat ggttcagctc tctctggccg agtggctgtg ctgctgttg gtctgacctg 720
gggtttcgga catcagtac actccctgcc cactgcttg cttcttgca ccccttctct 780
acaattttgt gaacatttat gctccagtgg cattcactgg ttgttcatac ctttcttgcc 840
ctgggtctat ttcagcagca ctgagctatg agctatgtaa gccgacctcg tgggcccagt 900
ggaggggaaag caatcaatta aagttgtgag ccagaawaaa aaaaaaaaaa aaaaaaaaaa 960
```

<210> 836

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<400> 836

```
ggtgagccct gccacagacc tgtgtgacag cagagctggt tggctgctgt atgagtgtca 60
ccggccctgc atttttttct tttttaataa agacagagtc ttgctgtgtt acccaggctg 120
gcctccagtt cctgggggct caagtgatec tcacacctcg gcctcctgag tggttcagac 180
tgcaggtaga caccaacacg cctggctaata tttaaatttt ttgtaaagtg ggggtctcac 240
tgtgtcactc aggctggtct caaactcctg ggctcaaaca atccacctgc ctcgccagc 300
actttgagag gccgacatgg gtggatcacg aggttaagag attgagacca tcctggccaa 360
catggtaaaa ccctgtctct actaaaaata ccaaaattag ctggacgtgg tggtagggcg 420
ctgtagtccc agctactcag ganggtgagg 450
```

<210> 837

<211> 1144

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1123)

<223> n equals a,t,g, or c

<400> 837

```
cgcccacgcg tccgagaaaa tctgcctctg tggcaacata tttccttcca ggcgttacct 60
cctgagctta gggaacaaac tgtccatgag gtcaccacag taggcactgc agaatgcagg 120
aaatggctga gcaggagtcg tactttggga gaactagaat ctctgaacac agtactgtct 180
gctttgcttg cagtatgtaa ttctgctggg gaagcttttg atacaggaaa acaaactgca 240
attatcgaag ttgtgagtca gctttgggct tttttaaaca ttaaacagggt agcagatcaa 300
ccttatgttc aacagacatt cagcctttta ctccactgt tgggattttt cattcaaact 360
ctagatccta aactgatact tcaggcagta actttgcaga cctcgctact taaattagag 420
```

559

```

cttcctgact atgttcgttt ggcaatgttg gattttgtat cttctttagg aaaacttttt 480
atacctgaag ctatccagga cagaattctg cccaacctgt cctgtatggt tgccttactg 540
ctagctgaca ggagttggct gctagaacaa cataccttgg aggcgtttac tcagttcgct 600
gagggaaaca atcatgaaga gatagttcca cagtgtctca gttctgaaga aactaagaac 660
aaagttgtat cttttctgga gaagactggg tttgtagatg aaactgaagc tgccaaagtg 720
gaacgtgtga aacaggaaaa aggtattttc tgggaaccct ttgctaagt gactgtagaa 780
gaagcaaaga ggcatccttt acagccttat gcaaaaagag ctcgtcagga gttcccctgg 840
gaagaagagt acaggtcagc gctgcataca atagcagggg ctttggaagc aactgagtca 900
ctactccaaa agggctctgc tccagcctgg ctttcaatgg aaatggaggc gctccaagaa 960
aggatggata agctaaaacg ttacatacat actctagggt gaaacttatc actaggcaga 1020
actgggtttg atgctttgtc aactgaaaat acttatgtct gtacattttc taacagatat 1080
aaaacaaatt ttgtaaagtt raaaaaaaaa aaaaaaaaaa ttntctcggt ccgcaaggga 1140
attc 1144

```

<210> 838

<211> 274

<212> DNA

<213> Homo sapiens

<400> 838

```

gggagcagca gctgaggcgg ggtggacgtg tgggggggtca accttatggt tggagcactc 60
aaagaccagc catccctatc tctgtgctcc ttagcatttc ctcagaggat ctaagcgaaa 120
acagagcggg catgagaagt cagacctagg actcccaggc tgtttaccag aaatgcattt 180
catttagaag agcctgtctt agctttgttt gggtaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 274

```

<210> 839

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (452)

<223> n equals a,t,g, or c

560

<400> 839
ggaaaaaac agaaagggac aggtgggtga ggtacaagat gaagcaccac ttttgtgaaa 60
gtggttgaag ttgacaagga catgagggag gctgtgaaga tcaatgtcaa gtgtacgata 120
accagggctc ctcttgaaaa atccaagggt attggccggg catggtggct caagcctgta 180
atcccagtac tttgggaggc caaggagggc ggataacctg aggttaggag ttcgagacca 240
gcctggccaa catggtgaaa ccccatctct actaaaaatg caaaaattag ccatgtgtgg 300
tgctatgcgc ctgtagttcc agctactctg gaggctgagg caggagaatc gcttgaaccc 360
aggaggcgga ggttgtggtg agccaagatt gcaccactgc actccaacct ggcaacagag 420
caagactctg tctcaaaaaa aaaaaaannn an 452

<210> 840
<211> 489
<212> DNA
<213> Homo sapiens

<400> 840
aaattatata ttgataagta aatggcttgt tgcataatcc aacttttagaa tttattaact 60
ctaaagtttt tattgggttaa agccaaataa aataatataa gtcataatct ttttagattt 120
ttcatgtcct aaaatgaaca tagttgtata ctttatctca ctaggataat ttttatcttt 180
gcctatatgt gctgctggac cttgtaaaaa tatgtatact ttctagattt gtggtagaaa 240
tttagctata gaatcattta atttgcaaac tggaatgggc attagagaat catacagttt 300
ttctttctca ttttaccggt aaaatcactg atgtctcaat ttgtgactaa tttcctaaag 360
gttgcaaagc tgrgtagata gagctagaac taaatctaga tcttttgtct tcttggtaac 420
tgataatgac atattttattc cattgattct atgacatgga cgaataaaag ctgcttaagg 480
ccaggcgag 489

<210> 841
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

561

<400> 841
gacttcactc aaaaagtgcga gaattcacat tcttttcagg aacacatgga acatttatat 60
gtgggtgggac ataaaactaa tcttaataaa tctgaaacta ttttgatcac ataaagttct 120
ttcattataa agaaattcaa ttgtaaaccc aaaccagaag atatataga acaccataa 180
tatttggaat tgaacacagca cacttctaaa tatcccatga atcaaagaaa aacaatcaga 240
agggaaacta ggaagatttt gaaatgaatg aaaatcaaaa tacaacacat caacatttat 300
gagatgcagc taaagcagta ctgagatgaa attttatagc actgagcagc tatattatta 360
aagaagacaa gcctcaatga tctttctggc tcaagaaaag ggaaaaagaa gggcaaacna 420
aactnaaggt aagcagaaga agaaagaaaa agtcngaaag antt 464

<210> 842
<211> 412
<212> DNA
<213> Homo sapiens

<400> 842
cctggcccgt gtcttcatcg gcatcaacga cctggagaag gagggcgccct tcgtgtactc 60
tgaccactcc cccatgcgga ccttcaacaa gtggcgagcgt ktgagcccaa caatgcctac 120
gacgaggagg actgcgtgga gatggtggcc tcggggcggt ggaacgacgt ggccctgccac 180
accaccatgt acttcatgtg tgagtttgac aaggagaaca tgtgagcctc aggcctggggc 240
tgcccatkkg gggccccaca tgttccttgc caggtttggg caggagacaga gccagacca 300
ttgtgccagc caggagggt gtccctttgt taagggtgga ggctcactta gtagagggt 360
gtgttctaaa ctgagaaatg gcctatgctt aaggaggaaa ttgaaagttt ct 412

<210> 843
<211> 565
<212> DNA
<213> Homo sapiens

<400> 843
gaaaaaaaaat gctaattgtga gaatataaat tgtgggaaat gaggtagggc aaggtaggtac 60
ttctctcttc tgagctcttc acacgtaatg caaaaacccg gtcttaattg attttgtttt 120
ttttctgagt atgcatatat gtggttgaat gaaccaatgt gtgattgtat cttttccatt 180
atgtgactgt ttgacctgca tattaatttc aagatagcag tcaattcgat aaggcatttt 240
catagaggaa agtttacaga aacagtttat rtggttggat caccaaatta tcttaggtac 300
taaggcctca aaaataagaa aaactttatt atttctctc agtagagttt ggacatacat 360
aaggagagaa ggtacagtga tgaaggagac cataattctg tagtggtgat gatcctggat 420
tataatcttt ttctctttat ctttcatagt ttttttaaaa acatggactg tatcttatct 480
accactatat cccaaatacc taagatagtg cttacgttca gtgactatta aataaataaa 540
tggatgaatt aaaaagtaaa aaaaa 565

<210> 844
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

562

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<400> 844

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agcagaacaa cacagtccctg gtggaaggct gcttctgtcc tgagggcacc atgaactacg 60
ctcctggctt tgatgtctgc gtgaagacct gcggctgtkt gggacctgac aatgtgcca 120
gagagtttgg ggagcacttc gagttcgact gcaagaactg tgtctgacct gaggggtggaa 180
gtggcatcat ctgccaaccc aagaggtgca gccagaagcc cgttaccacac tgcgtggaag 240
acggcaccta cctngccacg gaggtcaacc ctgccgacac ctgctgcaac wttaccgtyt 300
gcaagtgcc aacaccagcct gtgcaaagag aagccctccg tgtgcccgct gggaattcga 360
agtgaagag caagatgggtg cctggtaagt gctgtccytc ctactgggtg gaagtccaag 420
ggggtgtgtg ttcacgggga atgctgagta ccagcccggt tcttccagtt tattcctcca 480
agtggccagg ncttgctgtg nccaagggac aaggtgggac aacaacaacc ctgnttcaac 540
gttcattggc ctggcaaccc acgggggggg g 571
```

<210> 845

<211> 678

<212> DNA

<213> Homo sapiens

<400> 845

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gggaagcttc cagcccaaca ttttctaaag aaccaatgaa agtgcaagac agtgtattga 60
tcaaagcaga taacactata gaaggtgaca ataatgagca aaattatata aaggatgtga 120
aactagagga ccatctctta gctgggtcat gcttaaagca gagtagtaaa aacattttta 180
ctgaaagagc tgaagatcaa attaaaataa gtacaaggaa gcagaagtct gtaaaagaga 240
tctcttcata tacaccaaag gactgtactt caagaaatgg tccagaaagg ggatgtgaca 300
gaggaataat agtatcaaca cgtttgttga ctgattctag cactgatgct ttggaaaaag 360
tgtccacatc gaatgaagat ttctctttta aggatgatgc tcttgctaaa acctcaaaac 420
gaaaaactaa ggtacagaaa gatgaaatct gtgcaaagtt atcacatgta ataaaraagc 480
aacacaggaa gagtactttg gtcgataata ctatcaattt agatgaaaat ttgactgtat 540
ctaacattga gagtttctat tcaaggaaag atacaggagt tcagaaagga gatggtttca 600
tacacaatct ttcttttagac cctagtgtgt ttctggatga taagaatgga gaacaaaaat 660
ctcaaaacaa tgtattgc 678
```

<210> 846

<211> 352

<212> DNA

<213> Homo sapiens

563

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<400> 846
ggaaagattt aaggaaagaa aacttttcga ttctctttga aaaatagaac acaaaactgg 60
cttgtaaatg tttttagaat gatgaataag tcattaatta attcagtgac gtatgttttc 120
taggatccct ctggctgttg tgctgagaac agaaggggtc aagggagtgg gggagtataa 180
atggaagcag ggtgcgcagc cggagtcaga naaaatgggtg tttntaggt ggacacaagg 240
aaggaagagt gattgatttt tgagaagcta aaattgtgtg gtaagtggat agtagcaaat 300
atcccagttt gctncatgaa gcaatacata tgttgaaacg gaaacgttgc ta 352

<210> 847
<211> 890
<212> DNA
<213> Homo sapiens

<400> 847
ctcttttgca gcttgtgatt tcttccagct tgggaggggc tgctggaagt ggcatttcgt 60
tcagagctga ctttcagtgac acccaaactg gatgacgtgc caatgtccat ttgccttatg 120
ctttgtggag ctgattagga tgggatttga ggtgataatc cagtaagtct ttcctcgttc 180
ctacttgtgg aggatcagta gctgttatga tgccagacca tttggagaag tatcagaggc 240
ctgaccggac acataatacg acaaccacat ttttcctcat catccatgag gaaatggatg 300
atttctcttt tccatatgtc actgggggaa aggctgcctg tacctctcaa gctttgcatt 360
ttactggaaa ctgaggcgtc aagatggctg tggcagctag caaaagcaaa gatgctttgt 420
gcatagcctt gtgaaaaagt atctttctat gcaataagat gaattttcct ccagaatat 480
ttagaaatgt agaaggata acagttcaca gccaggtaaa atttaactgg tggcttaatg 540
actctgcacc tttttctcag gaattctgcc taagtgtgtc gccttttcta ccacaaaaa 600
gacttttagt tttctatgct ttctcctgaa ttttggtagg gtaaggattt tctatgtcaa 660
agcacagcct tgatgatctc agggaaaaat tttaatcact gtgtataatg atactgaacc 720
ttgattaata acagaaattc aggatgtaaa gccacagaat gggattttatt aatgtgggat 780
acctcagact gtttgttttc tttctgggaa gaaaagtgtg ttctataatg aataaatata 840
gagtggtttt taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 890

<210> 848
<211> 591
<212> DNA
<213> Homo sapiens

<220>

564

<221> misc feature
 <222> (132)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (550)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (579)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (590)
 <223> n equals a,t,g, or c

<400> 848
 cgccgtgtcc aacaggagat cgacgacgtg atagggcagg tgcggcgacc agagatgggt 60
 gaccaggctc acatgcccta caccactgcc gtgattcatg aggtgcagcg ctttggggac 120
 atcgtccctt gnggtgtgac ccatatgaca tcccgtaga tcgaagtaca gggcttccgc 180
 atccctaagg gaacgacact catcaccaac ctgtcatcgg tgctgaagga tgaggccgctc 240
 tgggagaagc ccttccgctt ccaccccgaa cacttcctgg atgccaggg ccactttgtg 300
 aagccggagg ccttccctgcc tttctcagca ggccgcccgtg catgcctcgg ggagcccctg 360
 gcccgcatgg agctcttctt cttcttcacc tcctgctgc agcacttcag cttctcgggtg 420
 cccactggac agcccccggc cagccaccat ggtgtctttg ctttccctgg gagcccatcc 480
 ccctatgagc tttgtgtgtt gccccgtaga atgggggtacc tagttcccag cctgtccct 540
 anccagaggn tctaaatgta caataaagca atgtgggang ttcaaaaaan a 591

<210> 849
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 849
 ggcgaggtct ctttcagtcc ctggatggcg agcgcagccc ctgggaggcc acacttagtt 60
 ctttattgtg aatctctcgc tactcaagtt cgttcgggac cagggcctcg gatggcctcg 120
 gttgcccgta agtacgcgaa agaagaggtg aatccaatcg ctggcctaga ggatagtgat 180
 cagacaaccc gaggattact aaacaagggg cggcgggtgtc cctgtctcat ggggttggcg 240
 tggggcgggg ggtaggcagc aagatcctcc aggtcctcgg atgcaaagag tgagaaagaa 300
 agcgcagcct ctggcagcct gcttataaat gcagccttcc ggaagatgaa acttgcagtc 360
 ttaggttgtc ctctttata tccatgttcc aatcctctgg gctttcctcg aaatgaataa 420
 aattgtggaa atgaaaaaaaa aaaaaaaaa 448

565

<210> 850
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<400> 850
gcggcgcgct actactacta aattcgcgkc cgctcgwcaa atggctggta agcaggccgt 60
ttcagsatca ggcaagtggc tggatgggtat tcgaaaatgg tattacaatg ctgcaggatt 120
caataaactg gggttaatgc gagatgatac aatatacgag gatgaagatg taaaagaagc 180
cataagaaga cttcctgaga acctttataa tgacaggatg tttcgcatta agagggcact 240
ggacctgaac ttgaagcatc agatcttgcc taaagagcag tggaccaa atgaagagga 300
aaatttctac cttgaaccgt atctgaaaga ggttattcgg gaaagaaaag aaagagaaga 360
atgggcaaag aagtaatcat gtagttgaag tctgtggatg cagctgttat gaagatgggt 420
aaacttgaaa caaacaattt taagaattat ttggtctgaa gatgtyttac tttaaataaa 480
tgtctattgt aawggnaaaa aaaaaaaggg sggccgcyct araggatcca agctta 536

<210> 851
<211> 383
<212> DNA
<213> Homo sapiens

<400> 851
acttataatc caaaagacca ccaggatgac taaatagtag aaagaagagc tttattgggtg 60
atatcagttg caagctggaa gagaaagtct ccagcatgga ccaaagatgc tctctcttca 120
aacaggggaa ggacaggttg ggtctcattc ctctgagagt ctgtattaca caatagagtc 180
atacgtattc agcaggtttg gggtagaagc tatacatatt tatgaggaga gccaagcaca 240
ggagcaatga ataaacaaac atgtaatata catcccatat tcactttggg gcaaaagggtg 300
aactatagga cacaagaca gtgtgtgtgc agcctctata agctggctga aactggctta 360
aggtctgcaa ttgctcatca gaa 383

<210> 852
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>

566

<221> misc feature

<222> (642)

<223> n equals a,t,g, or c

<400> 852

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gctttacctg agctttgacc tgcgtagcaa tatgttgatt ttttaaggat gttttgtaaa 60
ttaaaaaaat gctattataa aataatgact ttgaagagat ggtaatatct ctattgaaca 120
tattaatgga ccaactgctat catgtagttt ttaatttaga aggctcaatt ttagttttta 180
ttagaaagaa tattgttttag tatcaaatga ctattaaaag tatatagtgc aataaaaaga 240
aagacgtgaa ggaatgtgga amcattaaaa caaaatcgan cctccttaag tagtagttat 300
atcagatgta attaaaagat gggatgtaat ttgactatca aatacttgaa ccaatgcttt 360
tatttgtaat atatatatgt gtatatatgt ttttgattac caatattaaa cmcaaagtga 420
aacmctattg atttgaagca ctggccatt taaaaataat ttaaattgggt accccagaac 480
cttgctgtaa ttttattggg gatttttgta caatatatag ccctagnctc gtctccaacg 540
ttctcacctt taagaaagca ttacatttc ctatcctctc ccaactggga gaatatgcaa 600
atattataaa ataaaattct ctttttagaaa ttaacaaaaa gnaa 644
```

<210> 853

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (521)

<223> n equals a,t,g, or c

<400> 853

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tttttttttt tttttttttt tttttttttt tttttttttt taacaaatgt ycagttttwt 60
tcattacaaa tattaacatc atttttcttt tatttatcct ttatgcatca ttttatacat 120
tcacacacac aaagaacatt aaaaatatat ccaattatct aattttgggt gaattttcat 180
taaaataagt gttaaaaata tttatttggt ttctgttttg agaaggcttt tattgttgta 240
ctccrgagtg ttattttctg agacaaagtt gcctgtgctt taataggagg attcctggga 300
gaatctaaac cataagcaac aaaattttta gttaataaat tcaagacaaa gcagaaagta 360
tagatttgct ttcagcattc ccgagggtgt tagattttta ttagtcacct aattaamata 420
ttgttccaat aattggttcn tttcctcng aaaataagca gaaactcata cttacaccaa 480
aacacttcca taattttctt acacctaagg gtttatcctc nggaatg 527
```

<210> 854

<211> 513

<212> DNA

567

<213> Homo sapiens

<400> 854

```
aaaaaaaaa acaatgaaag tagcctccac ttacaaacta attactottt cttgaaaata 60
ttacactttt tttcttctat atctctactc ctagctctca acacctttct taagcccaca 120
tcataacctg tcttgcataa ctttgtgagt gccaacggt tcaactgtaca agattgtaga 180
gctgcatgct tcttaagaat aaatccacac tttagggtacc agtaaatcca tgcaatgcct 240
cagacgttat aaccaaataa tgccctggaaa atcgacatga atttatgtga agcataagcc 300
tttaattttt ttaaagaaaa gtagattgct gtttttccac atcatttcag agccgttctc 360
tagttttgca tgcccttttac tgcagaacca tacagatttt gttctccatt tcatacatca 420
tttgttgaaa tgccctttta aatgtaacgg aatatagagc tttatgggaa aaaatgctgt 480
agaaaataaa ttatcttctc tctttgtatt ggg 513
```

<210> 855

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<400> 855

```
gtcttcayct ccgtatctgg ccttatgttt ttatgcattt caaggtagca gacatcagta 60
cattttacac ctagattcgt ttacatgcat agcattagag ttcaatagtt gcttactgta 120
tttaggtaaa cttttcatac agtgaaacgc aaaatctcaa atgtaccttt caatgaattt 180
tgatgcatgt acacaccttt ataactcaaa tcactatsca gatgtagaac atgaccatca 240
caccagaggc cctcctgccc cttctcagtt gattctaata tccactcccg aaagcaacca 300
cagttctgat ttttttcacc atagattggt ttgactaact ttttgaactt catataaatg 360
gaatcaaaca gtatgtactg cttcacataa ggcttctctc actcagcata atgtttttga 420
gatccgttgn gntg 434
```

<210> 856

<211> 1432

<212> DNA

<213> Homo sapiens

<400> 856

```
gcaatgctat cggtttttgac aggaagcacg atggtaagaa taccactaac gaaaaccttt 60
gtggtgtctc aatgacaaat atgcagatgc caccctcctt tgtctaattgt acggtgcttt 120
agggcaacta tttaatataa agcaactcag aacttgtttc aggaagtgtt gctctttcgc 180
cttacatgcc aagggttctag ggaaaaagct gaccatatgt aaaaacattg atgctcaagc 240
acataaagaa ttcattcttt aaacatagag tacatagggt caagtctctg cacaataatt 300
gagatgtgtt ataggggaaag tgagccagtg ctattgtyca cttagtcttg gtgaatgtgc 360
agtaggctca cccctaagga atctcatgtt gcctgcagta aaaataaaaa tggactgcta 420
```

568

```

caatgacata ctgagagagt tttaaatcat gctttacaaa ctgacattct gagctctgag 480
acagcagaaa atgtatcacc agagcaaggg aggaggcaaa tgttctgaac aataattgaa 540
atggttgtga ttttatttgg agttggcaca gatccaagtg accaaaggag ttcaaggccc 600
aaaatttagt tatgctggat taattctgag agtaacaagc acatagatta taatctaaga 660
aaaccctttg tagctatgca tgtcgggaga gcatctaaca ctaatgggtga tgtttcccat 720
gcagagactc agattacagt gactcttcca gtgaagacag atgaaagcca ttgggcattg 780
tacctttgtt aatcaagcta aactaacca ggatatagg gtgtgtatgt gtctgtgtgt 840
gtgtgtttgt gtgtgtgtac acatacatct ataggatga atgagacaaa aagctgctga 900
cttacagctt aggaaatgca aagtcaagtt tttcttttca ccctgaggca ctcagtgcac 960
aaaggttcaa gttttaaaac taagaatgtt tccaaaagac cagcaatgtt aaaagagtat 1020
ttcgtgtata ctagacgtgc ctttaagcaa taaaaattcc aagagctgat cattattgtg 1080
cttccatttt agaaaagttt atttagtaac aaacttccca gtgtaggagg gtttttcctt 1140
gcccttttga acatgttagg ttattttctt cctatcctgg ggccttacca atgtgtaatg 1200
ctttcaaagt ttctatgaag cctgtgtgga ttctatttta gcttatttat atattctcat 1260
ttattttgaa ggatattata cttaatttgg ttcagagtag tcgccagggt ttgcacctga 1320
caatggcaca tattttttgt ataactttt ctaggtcctt acccttttcc acactttaca 1380
tttgtacagt gaaagcaact gccagtggag gcctgaaatg tccaaaaaaa aa 1432

```

<210> 857

<211> 1140

<212> DNA

<213> Homo sapiens

<400> 857

```

ctttggggaa tctggagtac aggcctctcc gccctgacc accgaaacgt gcaggcattc 60
tactcacac tgggcagccc gctgtcgggt ctctctaggc ctatgaacca caaagcaggg 120
aagtgggcac gttctctcgg ggtggctcac agctttgaac ctgccaaagg acccctcgac 180
tgccacacgc ccagcccagc ctgacgtgga tgtggctgcc caggaaaaga cttactgtg 240
aaaaagtact gagaaccac ctgaccagc cttgccccaa gcagaggcta gagaagggc 300
tcctctcttc agtgtttccc aaagggggcg ctcttgtggt ttcaaatct ctggcaccat 360
cttgacctct tggctctctc tgcactttgc cccctgtctc aaaaatgtcc ctcatgtcca 420
tttctgtcc aggagactca tgaggactgt gtgacctgca caagcccaca cctgggcagg 480
ctgttgggtg ctctctctag gcagagcggt cctggccaga gctctacctc ttgcctcct 600
gtgacctcct gacagcgctc cgtgcatatt ctttcatgtc tgcattattgc atagccttgt 660
ctcctgtgt gcctgagctc ctcccttttc aataagatta ttagtcgtgc atgtctgtga 720
gtgcctttc atcaccattt ttctgagta gggcttagtt ttattctgga aagacatctc 780
caaggtgagg tccaccccca cagcagacct caagtagaaa ttgccaatt tttaccagct 840
ggaggggacac ccttgggttt ttgtacgaag ctatttaatg agcctgtgtc ttggggactc 900
agcaggctgg agcttggggc ctggtggacc atcacctggt gtctgtagggt ggaccgggtc 960
tcccacaggt gacatcaacc tgagggtggc gtcttttagag acaggcacat gggcagctct 1020
gttcccttcg cctctactgc gaggcctggg gagatgttgt tttcatgctg cttccaccat 1080
cacactgggg tttctggatg ggaaataaaa aaataaaggc agttcatttc cccaaaaaaa 1140

```

<210> 858

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

569

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<400> 858

```
ttggaacgcc cgcgtccgct tgtatcaaaa ggtccagacc taaggggaaa ttttatctct 60
ttctttcttt ctttcttttt ttttgacaca gaggtttgct cttgttgccc aggctggagt 120
gcaatgacac gatctcggtt cactgcaacc tctgctcctt gggttcaagc gattctcctg 180
cctcagcctc ccgagtagct gggattacag gcgcccgcga tcacgcccgg gtaatttttt 240
tgtattgttg gtagagacgg tgattcacta tggtagccag gctagtcacg aactcctgac 300
ctcgtgatcc gccacacctg gcctccaaag tgctgggatt acagggtgtga accaccgtgc 360
ccggnctctt tntattaatt cctaaaatat taacttgagg ccaaattctg cgcttaagga 420
gaatgtgcac caagtgtctg ggtgggggct ggttataaac gaggccacaa atcatgcttg 480
ttaataaatt gtgtggttca aatctgaaaa aaaaaaaaaa caaaagagtt tt 532
```

<210> 859

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<400> 859

```
ggctttattc agagggtcaaa cttccttnaa naccagaaaa ttcatactga agagaagctc 60
tatgaatgta gtcagtatgg gagagatttt aactcaacta caaacgttaa aaataatcaa 120
aggggttcacc aagaggggact ctccttgagt aaggcccccac tacatttggg tgagaggtct 180
gtagataagg gggaacacac aggttaactta taaaataatt actttccgc ccagtgagt 240
atgtttggaa atgcgtggaa ttaggattca tgtggtttct aagatttga catgtcagaa 300
ttttgtgagt catggatggg gctgcttttg cagcgggtgc cacctgccac tgtgcanc 360
tactcggtc agcccttctc ctcagctgtg a 391
```

<210> 860

<211> 567

<212> DNA

570

<213> Homo sapiens

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<400> 860

```
gtcctattcc tcgtggcagc ccaagccagc tgctggcccg gaggggagct taccttctca 60
aagaggccca ggagttttat agcctccttg aaacctttgt ttctatggac agaaagtcca 120
tgatgcagat gctaagtttc tottaacctg tttcttttta ttacctttg ccattctgga 180
tgaaaatgct gatcggtggg cactttctag caagaacggc ccttgtagct ttgaccata 240
aaacaagact gttatcattt atagacactt ccattaaaaa aagatttaag gaccgggcac 300
ggtggctcac gcccgtaatc ccagcacttt gggaggctga ggcggtgga tcacctgagg 360
ttgggagttc gagaccagcc tgaccaacat ggagaaaccc cgtctctact aaaaaattag 420
ccaggcatgg tggcgcatgc ctgtaatccc agctactcaa gaagctgagg caggagaatc 480
acttgaaccc gggaggcgga ngttgcggng agctganatt gcaccaccga ctccancctg 540
ggcaacaaga gtgaaactcc gcttaaa 567
```

<210> 861

<211> 664

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<400> 861

```
accattatt gagaatacac ctgaggagaa gacctcaang atagwatggc tcatgcaatg 60
aatgaatacc cagactcctg tgcagtactg gtcagacgtc atggagtata tgtgtggggg 120
aaacatggga gaaggccaaa accatgtgtg agtgttatga ctatttattt gatattgccg 180
tatcaatgaa gaaagtagga cttgatcctt cacagctccc agttggagaa aatggaattg 240
tctaagccaa aagaagtctt aattatatac agagataaag ctaaactgtt ttattattta 300
aatgaaagct atttttttaa atgaattgaa atttttcatg atgctactaa tttgccacta 360
```

571

aataactgcaa atgggtcacc tgaatctctt ctgacattgg atgttatttg cttatattct 420
tataatttta aatgagggca cagtgaaatg aaaattttat actctatggt tctgtttatt 480
tttaaaccct taacagcaaa atatttgcct ttaatttctt ttttatatat actctcagag 540
aattcctctt aattttttaa gatgctggtg ataataaaat tcattagaaa atttcctcat 600
tgtggaatga gcattctctt gttttaatgt tgggtgacaga aaataaatat gaaacattaa 660
gtcc 664

<210> 862

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (705)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (754)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (761)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (768)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (796)

<223> n equals a,t,g, or c

<400> 862

gctagaatct cagtcttatt ttaactactg attttgattt cccctaatat caatttttaa 60
aactgctaag ggaaaatgaa atactagaca tgagattttt tttctcttta ttttcaccca 120
acaaaccatt tggaatcagg tataaagggt atcaatcagg aaaaaacaga aggccaggag 180
acagagccca ataagggaga cccatcccag ggagcctggg agtcagcggg cctggatgca 240
cctcccagtt ctgcctctta ttagccagct gtgtgttaac cctcatctg gtttgctcaa 300
ggtaacatga ccatcacaaa agcaacagaa acagattatt tactttcaga ttaacttggtg 360
aaaatgacaa gttgaatatt gtcatttcag tattcaagtt gaatactatc aattcaatat 420
tcaagttgaa tattgkcaca agttgaaaga ttaacttggtg aaaatgacag ttggttgaat 480

572

attggtatatt tctgcctcca attgttgcatt ttgttatattg caacttttaa tgcaccataa 540
aagcatttttt gttttgtttt aaaagcattt gttttaacgc accttacaag catttttgtt 600
ttgttttaaaa agcgttttgtt tacaaaatttg tgttttgtga cttctgggat gatttaacaa 660
cttttaaatgt accttaatac ttctctgtta gcttttgaga ttaanaacta ttctaattgca 720
atthagccat tatgaaaatt gatgatatta gtanaggtaa nagatatnga atagaagtta 780
aataagccaa ngactntaag aga 803

<210> 863

<211> 633

<212> DNA

<213> Homo sapiens

<400> 863

gactggctta gagacattgg gcagccaaca tctgtatttc ctcgtcagga agtgggcatg 60
gcgttgttgg gagattaaac ggggtgtggg tgaagatcca gtgagcgttt ccagctgtgt 120
tgtagatgta aacctagcag ttaattgtggc aggtctgtgc tcatgcctgc tgagcaactg 180
ctggcttccc cgtcattctg tcctcttggg wttctctgaa ttcattagg cctttattta 240
atccttgcac agtgcctccc tgcccaaat gctcttccc attggtcttt tttaacctgt 300
atcttaacta ttcttccttg gccgttagct ggcacttaag ggacacttag cctcctgttg 360
aggctaagga ttactagagg aggagaactt cagagtagca aataatcaga cctccatcca 420
ggaagatgga cgtgggtggg ctgacatggg agcctagtat tttraaagct ccttaggtga 480
ttctaattgtc agcagggtg aaaatcccc tccttaagca catgggcact taggaggggg 540
tctaggttac attgtggcca agtctgcagt ttacagtctt ggacaagaac cccaaccccc 600
aatattatgct atggtgatag ctgtgctctg gtt 633

<210> 864

<211> 507

<212> DNA

<213> Homo sapiens

<400> 864

tcaagggta cacagggtta agttcagtaa gctgtgatcg tgacatgcct ccagcctggg 60
tgaccgagtg agactgtttc taaaaataaa aacaaaaaat aaatttcttc ttgaggtggg 120
gtggaggtgg ggagcaagaa tttagcctgg ctctgatccc tgggtgtgtg tgtgggcctc 180
tttaacgttt gccactgagc cttaacctca ctgtacttca ctgtacttca cacgcattgg 240
tgtaaacatt ttaattcttag aagaccctga cccactgagg gtttgttgtg agaattgctg 300
aagccacgta gaagcacctt gaaatctgta aaaccacaag aaagtacttt ataaaaggta 360
tccttatttg aagtggataa atcttgaac tcgaaaagtt gtgatttaga agacaggatt 420
gtttttgaac attaggaatt aaaggctata tctggtcctt aaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaaaaa 507

<210> 865

<211> 304

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

573

<400> 865

gcatatattg atacaaccat atgggttttcc tgcttactta ataatttaca gaatatcacc 60
aattcctgtt aaactactct tatattttctg ggctaaccac tgcttgtcat agtgtgttta 120
ctcttttaaat tttcaacttg ctttgacttg ccgagatttt gtttaggatt attttaaatg 180
tattcaaaag tatgggtgcc ctttagatct ttggggggtg ctgtcttgaa cagtttttagt 240
aatagagcaa ctttttattt tttaatagaa ctgctattta atttttattt cttaattggc 300
angt 304

<210> 866

<211> 1711

<212> DNA

<213> Homo sapiens

<400> 866

acctctattc ttgatgacct ttttaaaagt catggaacag tcccacacaa ctgccaaaga 60
aagttctttc agggcccatg gaaaaagcaa aacagagacc aaaagatttc tgggacatct 120
tgaatgagca gaatgatgag agtcttagta aactcacaga cttggcagta atagagactc 180
tgtgtgaaaa agcacctcta gcagcacctt ttaaaaggag agaagagcca gcaacttctc 240
tttggaatc aaatgagaaa tttttatgga agaaatttag cccaagtgat acagatgaaa 300
acgcaaccaa tacacagagt accacataag catataaatg aattactgca ccagtaaact 360
gctgccatca ctgtttacgg cactggattc cacactgatt ctattatctt gaacacagtt 420
gttgacatat atttttatta aattattgct ttaggatttt ttgaagtcta aagtattgtc 480
atggatctgt ttttcttgat atttgatttg atctttcaag aatatgattg gatttatagt 540
ataaacctct gttatgaatt agaaaagatt ctagggttgt taataggaga cctgggacat 600
ctttcttact atattacata atgatgtgac acttgccccg gtgagcattg tttoccagta 660
tgaaagatga agagtctgta ccgaatcagc atgagtgtcc ttccagtta aaaaagcttt 720
cktcgctctc ctaatggctc ataggctgaa tcatgtctgc cctcaaactc aggtgtatac 780
caatgtgttt tttactagca cttgggaaag ttattaagta ttttcttttt ccctgggcat 840
catgttctat tattatttta gaaaaagtc ataattggta ctgaatatat ggtatatata 900
atattaaaaat ggtaattttg caacagctca aaattaaaag gttaatgtta tacactttac 960
tatatgagct gtgattacta ccattagcca cagataccag tgcctcaact ttttatgtac 1020
ctattgtgat ttaatgtaaa taaaggtttg tatagtactt ttgtagtctt taagtatgaa 1080
gaaatgggta aactttttat tttgttagaa actgttatat tttgagtgtat atatttatgg 1140
tttatagcaa aatgaatgtg cttattgttg aatgcatgta tttagaagcc tttactcagc 1200
ccctgtgttc tgtgctagga gcttgagctc tacaggtaag gcagagctac cggatgaatga 1260
aaggaaatca tgtcagtga aaatcatggt ggaaagcccc tggcatcaca tgtgcatgct 1320
gtaggcagga cctgagctgc ctccgctgca ggttcagatg caccgctgca gctgtccttc 1380
agttagtcca cagggtctga agaggaggac acatccctcc agaaaacagc ctgagccggg 1440
aactggctgt gctaaagagc actgctatca agttgaggag agagggcttc cgtgtactca 1500
ggatgtagag tcattgctca gaagtgaaca aaaaatcaaa aacaaaagtc ttctcaaggg 1560
actgatcggc caagtatgct tttctttaga gcaatgtttt gccctagaga attgtaaaat 1620
ttatgtcatg actcagtaca tatgtgttcg tacatatatg attggaataa aatgtttatg 1680
aaataaaaaa attttttaaa aaaaaaaaaa a 1711

<210> 867

<211> 567

<212> DNA

<213> Homo sapiens

<400> 867

gcagcatcta taagctagga aggaggccct caccagactt ggaatctgct ggcttcttga 60

574

```

tcttggcctt tctagcctcc agaactgaac atggatgaag ctggaggcca ttatccttag 120
caaactaaca caagaacaga aaaccaaata ccgcatgttc ttccttataa gtgggagcta 180
catgatgaga tgagaacatt gcccaaagga accaagtga attaccaaatt tagaagtgat 240
aagagggttga ctctctccag aaatttattg taattagcaa gaggtaattg tgtctaaata 300
agatgaaaga agatattttta aagatgataa taacaaaaaac tactagaatg aggtgaagcc 360
agaaaggaag agtcataatc aaagaagaga gtgatcaaga atccaaaata gacagagaga 420
gcaggctctt agagaaatgg gagaactacc gcactgactc tgcacgtagg agacaggcag 480
gagaggagcg cccagccag agctcaacat gcgcaaacag gaagtgtgtc cgagggttttc 540
tggagctcac aggagccggg gaccaca                                     567

```

<210> 868

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<400> 868

```

ggaaaaaaag aaaagaatag agctacagaa ggaagttcaa gcctaaatta atttgccact 60
gaaaaaatac attttgttat tttctctgtg tcaactgcat gattaaaacc ggctgttaag 120
tgagctctgg ggatgtgctc gtaaaagatt tatgagtaat attcaatgtg atattcaaag 180
tgagtcatga atatcaggat aattgctctc agtgctggct cttttactag gcaggagttt 240
gkcaactgcc ccataaatat ttgcctantc tcatgtaaaa aagacmattt catcttctgc 300
atttttatta cctagtataa tg                                     322

```

<210> 869

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<400> 869

```

ccgggtcgac ccacgcgtcc gattgcaggt gtgaaccact gtgccagcc ctgattttta 60
tatgtcagaa ctaattcggg tctcttaaaa tgctctgtgg ggccaaacaa attgtgtgcc 120
agatgtggcc ctcaagttgc cagtcctgtc tgtaccagga tgcttcgtta ttgacaaact 180
ctcacattgc aactggagtg gaaacggtgt tagccactaa actgngnggg tttcata 237

```

<210> 870

<211> 523

575

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (45)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (57)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (62)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (91)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (516)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (519)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (523)
 <223> n equals a,t,g, or c

<400> 870
 ggaaggggga agatctggat ccaaccgtgg gtgatggtac ccgnggcccc caggttngga 60
 tngggatgga ccaaaatccc atctggggcca ncggctctat ggaaaattkg gcttaagtaa 120
 ttatttccag tattccattg tattccattg tcccttcgtg ttccataagt taaatgactg 180
 tctaattttt ccaaaaattt atttctgact tgagaataag tgtgtcatga ttttcccagt 240
 gtaaagacac tgatataact gtagatacca gacattttat gtagtgtcta tgacacattt 300
 tagtatgtat gagccaacaa tagacatgtc tttgtcctga ggagtgtcca tctgaattga 360
 aaatgtgtca gctttttttt aacatcatca acagacttct taattaagct gccaatacat 420
 actgccaata cactgtgtgc tgtctgagaa atgcattgtg taagtgtctat ttccatctta 480
 ttaaataaac aatgtttgctc tgtataaaaa aaaaanaana aan 523

<210> 871
 <211> 1172

576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<400> 871

```
gaagccagggt ctgctgtggg caagtatagc ctaaccctag tcttgtaaaa taagccagaa 60
agggttactg agccacctta agctagtacc tatatagtag gcaaaaagta cagaaataga 120
tgcaataagt gtggtgagtc tttgagccta cgagtcatgc caccagccat aagntgacct 180
atcacttgag aacctcctca gcaaagatgc cagaaaacat tcaatcaagt tggcaaatga 240
cacagggaag cttggccctc ttgaccatct tcctggcaaa cctggactgg aagggccatt 300
tgcagcactg tcctggagct aatacactgt ttcactgcct ctgccatata atgatgccag 360
cactagccag ctggtgggta tttggaggaa tcctgcatga ggattgcca ataaggggca 420
ggtacacata cctggcaaag tgatgatgat gtgaattgtt tccagtgagg ggattgagtc 480
aaaacttgga tctcaggtac ctcaattttt ccccmattt ctgggtacta ctaaaagcca 540
gaaagaacag aacagtggcc tcaggagatc tgagtttgaa tccttgctct ctaggatgca 600
ggtggccttg agcagaatgc cacacctgca agttgattag aactgccttt cttcccaggc 660
ttgacatagg tattaagtcr aaattacatg aaaccctag gtataaaaagc ctctgaaagc 720
tgtaacaccc ycagtaataa caaaagggat ttttatttcm cagctaaagg gaaaataggt 780
ggagaagtta aaaaataatg tctgatcctg ttcctaagtt ccaaactata gccaacactc 840
tgatgctgct ctttttcttg taggaccaac cgtcccagtt tgcctgggac tttctcattt 900
ttacagagtc ccaaactcta ggaaactgga gcaactggta caactgggtc cctactcttg 960
cccctctgta aatcaagcca actgtgacca tccaatgtgc catcttacag ggaaaagtta 1020
taaccactat tcccctataa cataatgcta atgattgtac ttagtacatt tttatacttt 1080
tatgatattt tactgattgg aaatgtcatc ctttatttaa aataaacatg gttttccata 1140
gttgccctgcc aaaaaaaaaa aaaaaaaca tt 1172
```

<210> 872

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<400> 872

```
gaaaggccga gatctgtcca gctgcggtga gaggnacgct gaatcgccga agagaattgg 60
ctgcgcttcc ttgtttgtga gctagaatta gaatggcgat cagtccacga agcgatgcaa 120
ctttctccag tcagaaatca acaccttcag agagtccctg aacaaagaaa tttccactaa 180
ctgaagagga aatattttat atganttgta gagctgccta cttaactgtc ttcaaaagca 240
gcttggaana cattatttct aaagatcaac tttacttagc tcttcagcat gcaggaagaa 300
```

577

```

atccatccca aaagaccatt aataagtatt ggactcctca aactgccaaa ctgaattttg 360
atgatttttg tataatttta aggaaggaaa aacctacttc aaaagcagaa ctactaaaat 420
catttaagca attagatgta aatgatgatg gctgtatttt acacactgac ctttataaat 480
ttctaacaaa gagaggtgag aagatgactc g                                     511

```

<210> 873

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<400> 873

```

gggctttgct gtgcagaagc agcagttata tcggctcctt caagaaactg cctgcagaga 60
ttcctggagt catctgectg gagcattgsc cactcacctc ctcaactcac ctcttggtg 120
ctccacgtca ttcttccaat ctcatcttaa atgttatttc cttaaagaaa cttttcctga 180
cccagagtaa aatcagtacc ttcgggtatt cactctcaca acaccttgac tttttcctt 240
catagcactt agcacagttt gcacttatat ttattttagt gttttctggc ttaaaacctg 300
tttgccctat cactcatgaa actataaacc agaccctntc tattttactc accactgtat 360
aactagtacc taacagagca tggcataaag nggctactaa gtaaatgaat aatgaataaa 420
tgaatgaaca tacctgnttg cctaactaaa ggatctagnc attt                                     464

```

<210> 874

<211> 88

<212> DNA

<213> Homo sapiens

<400> 874

```

tctttttgcc tttacaaatc cacttgcagc tgcgctaata caagtgtaga ttcttggtgaa 60
catgaatctt tgatcccagg ttacaatt                                     88

```

<210> 875

<211> 617

578

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (533)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (578)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (596)

<223> n equals a,t,g, or c

<400> 875

```
gcggccgctg ggcctgagtg tcgccttcgc cgccatggac gccaccgggc gctgacagac 60
ctatggagag tcaggggtgtg cctcccgggc cttatcgggc caccaagctg tggaatgaag 120
ttaccacatc ttttcgagca ggaatgcctc taagaaaaca cagacaacac tttaaaaaat 180
atggcaattg tttcacagca ggagaagcag tggattggct ttatgaccta ttaagaaata 240
atagcaattt tggctcctgaa gttacaaggc aacagactat ccaactgttg aggaaatttc 300
ttaagaatca tgtaattgaa gatatcaaag ggaggtgggg atcagaaaat gttgatgata 360
acaaccagct cttcagattt cctgcaactt cgccacttaa aactctacca cgaaggatc 420
cagaattgag aaaaaacaac atagagaact tttccaaaga taaagatagc atttttaa 480
tacgaaactt atctcgtaga actcctaaaa ggcattggatt acatttatct cangaaaatg 540
gcgagaaaat aaacatgaaa taatnaatga anatcaanaa aatgcaattg atatanaaac 600
taaccagaaa atgttga 617
```

<210> 876

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

579

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<400> 876

```

ggcagtttca attttactat ataaggtgtc taattatacc cattagataa aacaacctca 60
tcagtcatta gacatcaaaa actgaattaa gctacagaaa acgttgattt ttgaaagcag 120
cctattatca ctgtcagctt tccatgacgc tgatgtttga ctatagtaaa acaaatataa 180
tatgtatatc cctgatctac tatctatatt gtataaagtg gcaatgacta aaggggcaaa 240
caagtattat attatatact tggcatttct ncttcatgaa atgatgtggg tctgn      295

```

<210> 877

<211> 652

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<400> 877

```

cacacataga ccaaacttgt atacacacag acatctacac tgacataccc catgtacaca 60
cacagatcta gacgtgctcc acatatgtgt gaatatgctc acatacaggc ctaccacaaa 120
cacaaaaccc acctgcaaag gtttcacgga acgnggagnc tctcctggcc tcccgtccct 180
cctcccagcc tgtttgttgt gcctctgtag agagcgcttc ggagagagag gcgaagtagg 240
aagtgggatt ttctcttccc tctcctgggc ccgtttgccc ctaccctcgc ccagcaagct 300
gagcccaaat tctattctgc ctctggaaac tgctggacca tccaaggcca gctgcctgcc 360
ctgaccccta cccaggggcc agcttgctct cctgggaggg gggacaggcc ccagtgaggt 420
tccgttgtgc gctgtgccta tctctcgatt ccagggcaga tgagccacaa catcaccacc 480
ctgccactta caaggtgggg gacctgggtc tggggtctca ggcgcaaact ggaggccctc 540
acagcccact agggcccctc ccaaccccag taccctcagt ccctcagtea ggtggtgcta 600
gtagagctat ctctgacgst gcaggcccca ggtagatggg cagggcccggt gg      652

```

<210> 878

<211> 431

<212> DNA

<213> Homo sapiens

<400> 878

```

ggaagaaatt tgatttcaga aatgtcctat atttaaataa gcaaagccat tgaaattgaa 60
gcacatttct tatttgaagc atctgggaaa tacaactgtt aagtatctct caaatattca 120
gtatatggaa tttataccca catttgtttg tatatctatc tgtaagctgt tgcttagaag 180
aattgagagt ttggattatt tcagaataca actattacag ttttccatag ttgattgaaa 240
gtttttaaac tcaaactttc attggtagaa tatctggaag gcatgtttgc aatataatgt 300

```

580

ggcttgtagg atctctccta cttttttatg ctctgttttg ccagttctca aaagtaaata 360
cctgaagtcc tagagggtact ataaacattt tggtaaacad tctttgagac tttttctcat 420
gtacatgtaa a 431

<210> 879
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 879
aagtcggagg tccccaaatc tgccgtgtat gtggggacag gccctggtat cacttcaatg 60
tcatgacatg tgaaggatgc aarggctttt tcaggtagag ttacccatca gccttcaccc 120
acgtgccacc actgaccacac tgggtaacrt ctcagggcct cagcttgacc trtccccag 180
gttcagagtg tgggctggtg gccacccaa aggccttgta attagtctca agggagccat 240
ttatatccca gaggaatcct tcatcttcag tcttctgtt ctaccagga aaggtctcct 300
tccattaaga tatcccttgg tttctccatg tgctcttgaa taaaatggaa aatgactcag 360
tgaaaaaaan 370

<210> 880
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<400> 880
gcggacgcgt gggcgcgctc cttcctggtg gactcgctag tgctgcgcga ggcgggagcag 60
aagaaggcgc ccgagggcag cccgcgcgcg ctcttccct acgctgtgcc cccgcgcac 120
gcgctgcacg gtctctcgcc tggcgccctgc cagcgcgca aggctgggct gctgtgcgtg 180
tgcccgcctc gcgtcaccgc ctcgcagntg catgggcccc ccgggcccgc gcgctgcctc 240
tactcaaggc ttccttccca cccttcggct cgcagtactg cagcgcccc tgggcccgnca 300
gcactctgct gngtcgcccc gggtcg 326

581

<210> 881
<211> 1315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1283)
<223> n equals a,t,g, or c

<400> 881
agaggctcag gcttacacag cttacctctc aggaatgcta cgttttgaac atcaagaatg 60
gaaagctgcc attgaggctt ttaacaaatg caaaactatc tatgagaagc tagccagtgc 120
tttcacagag gagcaggctg tgctgtataa ccaacgtgtg gaagagattt cacccaacat 180
ccgctattgt gcatataata ttggggacca gtcagccatc aatgaactca tgcagatgag 240
attgaggctt gggggcactg agggctctctt ggctgaaaaa ttggaggctt tgatcactca 300
gactcgagcc aaacaggcag ctaccatgag tgaagtggag tggagaggga gaacggttcc 360
agtgaagatt gacaaagtgc gcattttctt attaggactg gctgataacg aagcagctat 420
tgtccaggct gaaagcgaag aaactaagga gcgcctgttt gaatcaatgc tcagcgagtg 480
tcgggacgcc atccagggtg ttcgggagga gctcaagcca gatcagaaac agagagatta 540
tatccttgaa ggagagccag ggaaggtgtc taatcttcaa tacttgata gctacctgac 600
ttacatcaag ctatcaacgg caatcaagcg taatgagaac atggccaaag gtctgcagag 660
ggctctgctg cagcagcagc cagaggatga cagcaagcgc tcaccccgcc cccaggacct 720
gatccgactc tatgacatca tcttacagaa tctggtggaa ttgctccagc ttcttggttt 780
agaggaagac aaagccttcc agaaagagat aggcctcaag actctggtgt tcaaagctta 840
cagggtgtttt ttcatgtctc agtcctatgt gctggtgaag aagtggagcg aagccyttgt 900
cctgtatgac agagtcttga aatatgcaaa tgaagtaaat tctgatgctg gcgccttcaa 960
gaacagccta aaggacctgc ctgatgtgca agagctcatc actcaagtgc ggtcagagaa 1020
gtgctccctg caggccgcag ccattccttga tgcaaacgac gctcatcaaa cagagacctc 1080
ctcctcccaa gtcaaggaca ataagcctct ggttgaacgg tttagacat tctgcctggg 1140
acccttccct tgttcaccaa gcaagccaac cttgtggcac ttcccaccag sgtttcagcc 1200
ctttccctgg caaggctttt gttcttttga ctgggccytc aaaccatgtg ggcttttccc 1260
acccttgag ggacaagttt ggnacaggaa ggaccaagag tgggctcact gggtta 1315

<210> 882
<211> 988
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (977)
<223> n equals a,t,g, or c

<400> 882
gatcctctgg ttttagaaag acgcagtgga gacagggacc tggagccaga ttggctagcg 60

582

```

caacttcgga ggcagctgga gcaaaaggta gcaggagaca ttggggatcc tcatacctact 120
cgctcagata tttcggggagc cggagggaaca acaacagaaa acacttttcta ccaggactttt 180
tctggatgtc aaggctactc tgaagcccct gggtagcgtc cagctctgtg gctgacacct 240
gagcagacct gcctgctcca gccagccca cagcagccct tccccctcca gccgggctcc 300
taccagcagc gaggggggtgc agggcagaca gggacaccga ggccttttta ctcagttcct 360
gagaccatc taccagggac tggcagcagc gtggcagtga cagaggccac tggaggaaca 420
gtctgggagg aaatgctgca gacacacctg ggccctggas asaacacagt gtctcaagaa 480
acttcccagc ctctgatgg ccaagaggtc atttccaaac cacagacacc attggctgct 540
asaccacgan tatctctgag agttccgcca gttcagccaa ggaggatgag aaggagtcct 600
ctgatgaggc tgataaaaaac tctccccgaa atactgcccc gagaggcaag ctccggagatg 660
ggaaggagca tacaaagagc tcagggtttg gctgggttcag ctggtttcga tcgaagcccc 720
ccaagaacgc atccccckct ggagacgagg actcctcaga cagccctgac tctgaggaga 780
ccccagagc atyttctccc caccaggctg gcctgggcct ttcactgaca ccttccccctg 840
agtccccacc tyttgccgga tgtagtgcc tyyttccagg ggcakagggtg ggggggtgaar 900
gcckaggatg ccgcatccag cgggggggagc agttgcgggg gcgcttgggg tttggagggtt 960
tttttggaac cagaganttt tttctttt 988

```

<210> 883

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<400> 883

```

gctggacgtg aattttgggg acactgttca gcacactcca cctagagccc caaggggcca 60
gagtgggttg aaggcggaag gccccagcac agtggaagt ccgcgcttga ggagtgactc 120
tcttgccctc gaggtgttcc cagggctggg gcaggggccc gtcagccctg aggttccggg 180
atgccctcca tctccacatt cccatgttcc ccacgctggg caggctcttc tctccaggga 240
cactgcgttc atgggggagac atcgctctct gtagtcaggag ccagagggtg gaggggttgc 300
cgcrctmcag aggaggggga agatcccgtt cccacgtgcg tttggccact gggggcgctc 360
ctgggcccgt cagcaggatg gctttarcac yggckgagtc tcccttcagc ctccgggttg 420
atggtttcca tggcngaatt 440

```

<210> 884

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (462)

<223> n equals a,t,g, or c

583

<400> 884

```
gtcaaaattg agccagagga tctggacatc attcaggtca ccgtcccaga cccctcgcca 60
acctctgagg aaatgacaga ctcgatgcct gggcacctgc catcggagga ttctggttat 120
gggatggaga tgctgacaga caaaggtctg agtgaggacg cgcgggccga gganaggccc 180
gtggaggaca gccacggtga cgtgatccgg cccctgcgga agcaggtgga gctgctcttc 240
aacacacgat acgccaaggc cattggcatc tcggagcccg tcaaggtgcc gtactccaag 300
tttctgatgc acccgaggga gctgtttgtg gtgggactgc ctgaaggcat ctccctccgc 360
aggcccaact gcttcgggat cgccaagctc cggaagattc tggaggccag caacagcatc 420
cagtttgtca tcaagaggcc cgagctgctc actgaggagt cnaagagccc atcatggata 480
gtcaacgaac c 491
```

<210> 885

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (683)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (720)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (781)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (827)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (852)

<223> n equals a,t,g, or c

<400> 885

```
caagcccacg tgcaatgagc tgatcaaaac catcatcatc cagcatgaga acatcttccc 60
aagccccagg gwgctggagg gccctgtcta cagcagagga ggaagcatgg aggattactg 120
tgatagccct catggagaga ctacctcggt tgaagactca acccaggatg tgaccgcaga 180
```

584

```

gcaccacacg agcgatgacg aatgtgagcc catcgaggcc attgccaagt ttgactacgt 240
gggccgggaca gcccgagagc trtcctttta gaagggagca tccctgctgc tttaccagcg 300
ggcttccgac gactggtggg aaggccggca caatggcatc gacggactca tccccatca 360
gtacatcgtg gtccaagaca ccgaggacgg tgctgtggag aggtccagcc ccaagtctga 420
gattgaggtc atttctgagc cacctgaaga aaaggtgaca gccagagcgg gggccagctg 480
tcccagtggg ggtcatgtag cccgatattt atcttgcaaa catcaacaag caaaggaagc 540
gtccagaatc tggaagcat ccgaaaactt ttcggagtga cagccatggg cttgagcagt 600
tccctgactg actcctcctt cccaggggtg ggggctagct gccgccatct ccagccatca 660
tgagccagag ccttccaaag aanggccaga taagtggttc attaatgggc acggagcctn 720
aacttcatta accgcaatca tccttgaaga atcggtgga tagtccacag atccggaaga 780
ntggcacaac ggggaaggtc aaaggttcaa taccatnggc catggancct taggcaatgg 840
tcaagatatt gnggaacaat gaact 865

```

<210> 886

<211> 1006

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<400> 886

```

ggcacgagct cgtgccgaat tcggcacgag ctcaaccaac ctgcatctag aaagtgaatt 60
ggatgcattg gcaagcctgg aaaaccatgt gaaaactgaa cctgcagata tgaatgaaag 120
ctgcaaacag tcagggcnca gcagccttgt taatggaang tccccaatc gaagcctcat 180
gcacaggtcg gcaaggattg gaggagwtgg caacaataaa gatgatgacc caaatgaaga 240
ctggtgtgct gtctgcaaaa acggaggaga tctcttgctg tcgaaaaaat gtccaaaggt 300
ctttcatcta acttgtcatg ttccaacact acttagcttt ccaagtgggg actggatatg 360
cacattttgt agagatattg gaaagccaga agttgaatat gattgtgata atttgcaaca 420
tagtaagaag gggaaaactg cgcaggggtt aagccccgtg gaccaaagga aatgtgaacg 480
tcttctgctt tacctctatt gccatgaatt aagtattgaa ttccaggagc ctgttcctgc 540
ttcgatacca aactactata aaattataaa gaaaccaatg gatttatcca ccgtgaaaaa 600
gaagcttcag aaaaaacatt cccaacacta ccaaatcccg gatgactttg tggccgatgt 660
ccgtttgatc ttcaagaact gtgaaaggtt taatgaaatg atgaaagttg ttcaagttta 720
tgcagacaca caagagatta atttgaaggc tgattcagaa gtagctcagg cagggaagc 780
agttgcattg tactttgaag ataaactcac agagatctac tcagacagga ctttcgcacc 840
tttgccagag ttgagcagg aagaggatga tggtgaggta actgaggact ctgatgaaga 900
ctttatacag ccccgagaa aacgcctaaa gtcagatgag agaccagtac atataaagta 960
aaatgacatg gatttaaatc aattgtttta aaaaaaama acgaan 1006

```

585

<210> 887
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 887
accaaccctc actaaaggga acaaaagctg gagctccacc gcggtgncgg ccgctctaga 60
actagtggat cccccgggct gcaggaattc ggcacgagaa caagcggann gggaaccgg 120
gccgccaatg aagaggaaac gwaaaacaaa ccaaattga acattcaaataaaaactttg 180
gcagatgatg tgcgtgaccg aattacaagt ttagaaaaat ctactgtcaa aaaagaaaaa 240
cctcttattc aacatcctat tgattctcaa gtcgcgatga gtgagtttcc tgcagctcag 300
ccattatatg atgaacgatc tttgaatttg tcagaaaagg aagtattgga tctctttgaa 360
aaaatgatgg aggacatgaa ccttaacgaa gagaaaaaag ctccctttacg aaacaaagac 420
tttaccacca aacgtgagat ggttgtccag tatatttctg ccaactgcaa atctatagtt 480
ggaagtaaag ttacgggtgg gctgaaaaac agcaaactg aatgcaccct gtcttcacaa 540
gaatatgttc atgaattacg atcgggtatt ttcagatgag gaaacttctt aaattgccta 600
gg 602

<210> 888
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (623)
<223> n equals a,t,g, or c

<400> 888
cacacacaca ggagagaagt cctatgtgtg cagtgtgtgt gggcgaggct tcagcctcaa 60
ggccaacctc ctcagacacc agaggacaca ctcaggagag aagccttttc tgtgcaaggt 120
gtgtggacga ggctatacca gtaagtcata cctcactgtg catgagagaa cacacacagg 180
agagaagcct tatgaatgcc aggagtgtgg gcgaagggtt aacgataagt cctcatacaa 240
caagcacttg aaggcgcatc caggggagaa gcctttttgtg tgcaaggagt gtgggagagg 300
ctatactaata aagtcatact tcgttgtgtg caagagaata cactcaggag agaagcctta 360

586

```

cagatgccag gagtgtggcc gaggctttag caataagtca caccttatca cacaccagag 420
gacacactca ggggagaagc cctttgcgtg caggcagtgt aagcaaagtt ttagcgtgaa 480
aggaagtctc ctcagacacc agagaacaca ctcaggggag aagccttttg tgtgcaagga 540
ttgtgagcga agcttttagcc aaaagtcaac tcttgtctac caccagagaa cacactcagg 600
ggagaaacct ttgttttgta gangaatgtg ggcaaggatt tattcagaag tcaacccttg 660
ggaaacatma gatcacacac tcagaggaga agccttttgc gtgcaaggct gtggacaagc 720
tttatccaaa agtcaacttc actttcacca gaggacacac tcagaggaga agccttatgg 780
atgtcgggag tgtgggcgaa 800

```

<210> 889

<211> 387

<212> DNA

<213> Homo sapiens

<400> 889

```

gctctttatg tctctattgg aagatacttt gtctaaacaa aagaatccag atgtgcgcaa 60
tattgttcaa cagcagttct gtggagaata tgctatgta actgtttgca accagtgtgg 120
cagagagtct aagcttttgc caaaatttta tgagctggag tttaatattc aaggccacaa 180
acagttaaca gattgtatct cggaattttt gaaggaagaa aaattagaag gagacaatcg 240
ctatctttgc gagaactgtc aaagcaaaca gaatgcaaca agaaagattc gacttcttag 300
ccttccttgc actctgaact tgcagctaata gcgttttgc tttgacaggc aaactggaca 360
taagaaaaag ctgaatacct acattgg 387

```

<210> 890

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<400> 890

```

ggcaggaggt caacggggag gtgcggagtc ggagagacag catctgcagc agcgtgtcct 60
tggagagctc tgcagcagaa acacaggagg agatgctgca ggtgctcaaa gagaaaatgc 120
gactcgaagg acagctggaa ccttgtcact ggagggcagc caggcactta aagagaaggc 180
tgagctgcag gccagctgg ccgccctcag cacgaagctg caggcgcagg tggagtgcag 240
ccacagcagc cagcagcggc aggattcgct gagctcggag gtggacaccc tgaagcagtc 300
gtgctgggac ntggagcgag ccatgantga ccttgcagaa catgctggan gcaaaaaatg 360
ccagctggcg tcgttccaac aacga 385

```

587

<210> 891
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<400> 891
aaaccttaca aatgtgatgt atgtcacaaa tccttcaggt atggttcctc ccttactgta 60
catcaaagga ttcataccgg agaaaaacca tatgaatgtg atgtttgcag aaaagccttc 120
agccatcatg catcactcac tcaacatcaa agagtacatt ctggagaaaa gccttttaag 180
taaagagtgc ggaaaagctt ttaggcagaa tatacacctt gccagtcatt taaggattca 240
tactggggag aagccttttg aatgtgygga gtgtggaaaa tccttcagca tcagttctca 300
gcttgccact catcagagaa tccatactgk agagaagccc tatgaatgta aggtttgtag 360
taaagcgttc acccagaagg ttcantctgca cagctcagaa aaccctacag gngaggaaac 420
cttatgagtg caaggattgc ggtnaagc 448

<210> 892
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 892
ggaacagttg ntaagaataa tgtgagttcc tatctgaaat agaatggtac attaccactt 60
ttaagtttta aaaattgata gatgttcaga tgtatctcaa actcagtttt atttttattc 120
caaataattgt gaatgagaag ccattgtcct aaactttggc cttttttgtg ctataaacat 180
gcatttttta gttataaggt gaatcaaaca atatgtaata cagtattagg atgtaatctt 240
tgcttttgta gtactgttaa aatagagaat tatgttggtt gcaccgtctt aattaaaatt 300
cttgattttt actagttgct ttgcaaaaaa aaaaaa 336

<210> 893
<211> 1555

588

<212> DNA

<213> Homo sapiens

<400> 893

```
gcggacggtg ggtcgaccca cgcgtccgct actaacaact taccacagtg cggagactgc 60
tttctgaaaa ggccactcac gtgaacacta gggatgaaga tgagtrtacc cctcttcac 120
gagcagccta cagtggacac ttagatattg ttcaggagct cattgcacag ggggccgatg 180
ttcatgcagt gactgtggat ggctggacgc ccctgcacag tgcttgtaag tggaataata 240
ccagagtggc ttctttctta ctgcagcatg atgcagatat caatgcccaa acaaaaggcc 300
tcttgacccc cttgcatctt gctgctggga acagagacag caaggatacc ctagaactcc 360
tctgatgaa ccgttacgtc aaaccagggc tgaaaaacaa cttggaagaa actgcatttg 420
atattgccag gaggacaagt atctatcact acctctttga aattgtggaa ggctgtacaa 480
attcttcacc tcagtcttaa caattctagt aattttctta agtttctaaa taccagtgcc 540
tctgtgtgt gagatgtatt ccataatca aagttgacgt caaacatctt actacaaaaa 600
ttcagtgaca ttcattataa cattcttcca agtgaattgc ctgactttra tgtcaaaatg 660
tatttgaaag taatttgcac atatctttta ttatttctgt ggagtttgtg atttttttat 720
cagaaataat tttaatgtgt gtatacttaa aaacttgaca cgggttgtag agaaactggg 780
atttttggtg ctgatacaag agaaatgtat ttttaaata cccacatcct ggatctttgt 840
tggttattta gtatattgac atataatttt ataaggtgag gtaactcaga acttaattta 900
aaagtcttaa atattctgat acaattcagc tgtcttctct accttaccat agccagttgc 960
tttcatctta aaccagagca agtaacatat tagtgacttg aatcttcata agttaaaagta 1020
aaaaacagca aaaaacctag atctttgtct tttagaacac agaccatttt caggaaagca 1080
gttagctaag tgtttaattc atgaatattg tatactgcat cccctaccac aatttacaca 1140
atcctgtgga tagtctacc tcacctggg caacctacat gatccttaag ctaatggcga 1200
atcacgatga ccttgtagac atgcacacaa ctataccttt gtccaacaga tcataatata 1260
tctgctatcc aactggtttt acctgcctaa tctactgat ttgggcactg cttgtatagt 1320
ctctcaagtt cacaggaaat gttgattttc taaggtcctc atttttacag agtatacagg 1380
caaagtgaca ggggaaaagg aattagtcta agagtaaggg gatgattatt atattgaggc 1440
taaaaccaca aagtggctca ggctttaaaa aaaaaacact gtggataatg acaaaaagca 1500
taagtaaaaa tatttgagaa aaataaagta caagttttga mcaacaaaaa aaaaa 1555
```

<210> 894

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

589

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<400> 894

```
actcncgggt tagntggtac gcccgcaggt accgggtccgg aattcccggg tcgacccacg 60
cgtccggnaa aaaanatgga aaaagaccca agcagattgc ttctttgggc tgctgaaaaa 120
aatcgggtaa aaaaaaaaaat tacagaggga agtgtgacag taggaaaagc actgggttca 180
agccagaaga cctgccttta ctgttatggc catcatacct atctcttgat tgtgaggacc 240
aaatgagaca atgtacatga aagcacatat taagctgcaa agtgtcatgc tagcttacca 300
caattttacac aatcctgtgg atagtcctac ctcaccctgg tcaacctaca tgatccttaa 360
gctaattggcg aatcacgatg acctgttaga catgcacaca actatacctt tgtccaacag 420
atcataatat atctgctatc caactggttt tacctgccta atcctactga tttgggcact 480
gcttgtatag tctctcaagt tcacaggaaa tgttgatttt ctaaggctcct catttttaca 540
gagtatacag gcaaaagtgc aggggaaaag gaattagtct aagagtaagg ggatgattat 600
tatattgagg ctaaaaaccac aaagtggctc aggcttttaa aaaaaaacac tgtggataat 660
gacaaaaagc ataagtaaaa atatttgaga aaaataaagt acaagttttg aacaacamaa 720
aaaaaaaaaa aaaaaaaaaa aaa 743
```

<210> 895

<211> 158

<212> DNA

<213> Homo sapiens

<400> 895

```
gaggcagcct tgggtgaggg cttecccacc cgcttgcccg acttgaaggc ggctcgcctgc 60
ttgcccccca gtttgtctgg ggggtgcagg gtggtggtca ggcttggggg tccgggcgtg 120
cggggctcac tcagggccgt gagagaacga gtacacat 158
```

<210> 896

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<400> 896

```
gatactgagc gtgcgccccg ggttctcgcc gccttctctc cgccgagcag cccttcggcc 60
accctttgcc cttaaaaatc tgcagactgc gcctcctctc cgcgggagcg agacctagca 120
ggccccggggc tgggcgtgcc ctgcctgcc acgctgcgcg ctgcyctcag ccgggccgct 180
ggggccgtgc agtgcaccgg gcacgccgcg ccaggctggg ggcaggcacc gagcctccgt 240
gggaggtccc gaggcagctt cgctgctcgc cctggctcca gccctcacct gccgcagnct 300
tagctgarca gmcgcmcac tgggcgcccc cgt 333
```

<210> 897

<211> 696

<212> DNA

590

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<400> 897

```
gatngagggc cagacggctg ctacccaggt atcctttctc tttggaattg aaatgcagag 60
aacattatta aacagcctat ttgctgtgag tgtggaagtg tttccacaga cacttttttg 120
ggaaaaagaa aagggcaaga atcaacctga aaactacaga ggatatatta gccacggttt 180
gcacgcattc tgcttatgga tctttcagtg actccagtgga ggggccatct gtcccatcca 240
gtgcctgagt gcagcccca ccccccacctt tgggccagag aagtctttgc cccaagaatc 300
tgcccagagt tggggcatca gcccctacag gtgtgggtcc ttcttcagga ctgtgtggaa 360
cttttctctt tgaagaactt tcttggggat gaccactctg cttggagtct ggggtggagc 420
ctggtgtgag ggagccagcg tagggtttgg gtgcctgccc caccctcaga agcaggagcc 480
cagcagccct tggactgacc ggtgctgtty tggggctccc actggctcct tccactgtgg 540
agcactcccg tgaacactgc tttggtttga gtaccagtac aagtgttggg tgtatgttcc 600
tgaccttgag gcattyttga ttgkgcagtt acctagggta tgcttgtgtc tgacatgatc 660
attttttttt ttaataaaa aatggcatgg aaaaaa 696
```

<210> 898

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 898

```
gcattggcct tgggctggta actgttgaag tcaggatgat gggacagaaa ggttcattgt 60
tctatttttg ttccttttat atggctcatc acagagcttc aacagcatgg cccaggtgac 120
acagagcagg gtcctcaggg cttgtggctt gtggcagcat caccctcaga ctgacactgc 180
tgaggagccg ggggcggtta gctgcaggtg tgccctggctg ggtactgagt ggaaagcctt 240
gggcagaatc ttcataagaag tctagagttg gggagagttg gagggatatg taagtgaag 300
gtgtatacac ctggaggett cccagggccc tncactctcg ctctgctctt cggttgaggc 360
agatggcact gctggctgtg gagggcctga tttgtaccac cttccccggc kttatgatgg 420
agcagggacg acaggctctg gctttgggac 450
```

<210> 899

<211> 827

<212> DNA

<213> Homo sapiens

<400> 899

```
ggaagaatcc gatggtggct ggcgagggcc aagtctctta cgccttcccc tcgtttctcc 60
ctccccgcct cctccgcaga agccgagcgc caaactcaaa ctttatcagg acccggaact 120
ctcaggctaa tcccaggggc cgggcctgtt gggttttctt gcacaccagc cgaggcagcg 180
agccaacatg agccaagtgc tgttccacca actagtcccc ttgcaggtga aatgcaaaga 240
```

591

```

ctgtgaggag aggagagtaa gtataagaat gagcattgaa ctacaatcag tttctaatacc 300
agttcacaga aaggacttag ytattcgtct gactgatgac acggatccat ttttttatat 360
aaccttggtta tatctgagga agattttcaa agkttaaaat tccagcaagg tcttctggta 420
gacttccttag ctttccacaa aaattttatag atctmcttca gcaatgtact caagaacatg 480
ccaaagaaat tccaagggtt ttgctacagt tagytctcca gcagctattk tggataactc 540
acctgcattw kkaaagtgg tagagacaaa tccttttaag catcttacac acctctcact 600
aaaactttta cctggaaatg atgtggagat aaagaaattt ctgcgaggct gtttgaaatg 660
tagcaaggaa gaaaaattat cattgatgca atcactagat gatgctacta agcaactgga 720
ctttacacga aagacattag cagaaaaaaaa acaagaatta gataagttac ggaatgaatg 780
ggcgtcacat acagcagcct tgacaaacaa gcattctcag gaactga 827

```

<210> 900

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (680)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (719)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (725)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (737)

<223> n equals a,t,g, or c

<400> 900

```

gtcccttaaa ttctgatcat gtaggacatt cttctttgcc ctgggcctgg gaaaatgcag 60
catgtccaga gcaaaagtcc taatgagggg actaaaccag tgggacccaa accaatgtcc 120
tggtcactg agsacccgtt agaaccaaat ctctgggtgt ggacaggctc ccatacttwt 180
caaaaattcc cctgatgact aatgaacaac cagrggtaag aaccagtggc ccagaggaat 240
aaccagccca gctgttgtag gagctcgcta agctggctca ggtcaatgtt gaattctctg 300
ctaggcagct cctcataaga actggcagag atggttctta cacaacaaca ggtgacaact 360
ccagactctg ccggaagttc caggatctgg gttcccgac aatgcatgac actcagtccr 420
gcattgcagg tggaagagcg acggtgaaaa gaccraagtc aattaataatg tgttaaccaa 480
aacaggaaac atgagtggag tgattgagag tgtgtttaac ttagatgtgt gattttatca 540

```

592

```
atactttcat tgttcaaaaa ctcttatttt ttaaagatat tttcaaaaca aatccaaact 600
ttacttttca ttccaaaaaa aaaaaaaaaag ggccggccgtt ctagaggatn caaagcttac 660
gtacgcgtgc atgcgacgtn atagctcttc tatagtgtcc ctaaattcaa ttcttggcng 720
tccgntttac aacgtcntga ctgggaaaac cctgg 755
```

<210> 901

<211> 659

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (564)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (634)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (655)

<223> n equals a,t,g, or c

<400> 901

```
aattcgccac gagccgccgc cgggymgcc aaggssaccct ctactgccgc gtcttcctgc 60
tcgacgggac cgaagtgagc gtggacctgc cgaaacatgc caaaggccag gatttgtttg 120
atcagattgt gtaccacttg gacctgtgg aaacagatta ctttggcctc cagttcctcg 180
actctgcccc gggtgcgcac tggctggatc atgccaaacc cataaaaaag cagatgaaaa 240
ttggacctgc ttatgcttta cactttcgag ttaaatacta ttcttcagaa ccaaacaacc 300
ttcgtgagga gtttacaagg tacctgtttg ttttacaact caggcatgac attctttctg 360
gaaaattgaa atgcccttat gaaacagctg tggaattagc tgctctctgt ctacaagcgg 420
actttgtgtg agtgcgagct tccagaacac acaccagagc ttgtgtctga gtttcggttc 480
attccaaatc agacagaagc aatggaatct gatatcttcc agagatggaa agagtgcagg 540
ggaaagagcc ctgcccaggg cggnaactct cctatctgga atgaaagcga agttggctgg 600
gaaatgtatg ggggtagaca tggcacgttt gtttaggggg gaaggagatg ggctnttga 659
```

<210> 902

<211> 597

<212> DNA

<213> Homo sapiens

<400> 902

```
gtattgacca gaaataaact tttaaatgat ctgtgatgtt tacaaggata tgtctaaaac 60
gtttattaca ttattttcct cttaatgtga attctccacg tttgaaactg taactcgttt 120
tctcattttt tgtttcttct gttacttcct catattgtgt acttggaaat tacctttgta 180
aataacttgag aaattcgttc ttatatataa ttaatatata aagtttgcac ttctcaaaaa 240
catctctatc aaagcctgtg ttctcacgag tttaatatca aagtcctaat aaaataatca 300
caactaccca aatgcttata aaatatgttc gattactgga tttttattca ttaaacagaa 360
ttaattttat ttgacatatt taaaggcgcc atttagaaat aaaawtgctt attatgttgc 420
```

593

aataactgtat ctatttcagc ctctacaccg tttctttttt tgtttcacct gaaactagtt 480
ttcccttccg ttttttttct tgttctatca agctaataa tatatcaaca tacagtaatg 540
gggtgctggt ttttgtaagt taaatatgta cctgcattaa ataaatagta aacatgt 597

<210> 903

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<400> 903

nactaccatt gagaaacaag atcctcatgt tgctccttga cttgagagtg ggtggcctgg 60
gccccaggc cgaccgtttg gaggagcttg tggaggagct ggaagcagcc ccttgctgtc 120
cgcttttgga ggtgggggtct gttttggacc tcctggttca gctggcaggg agtgggtccc 180
ctcaagtctt gccgagaaaa cgagactact tccttaacaa caagcatgtg gggagaaacg 240
ttccgtacag cggctatgat tgcgacgacc tgantgtgtt tgagatggac gttcaatctc 300
tgatctncag anaagagtg 319

<210> 904

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

594

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (642)

<223> n equals a,t,g, or c

<400> 904

```

aagtcaagat caacaggaaa actgcatttg gaactacaac tcttgtcttg actgatttta 60
gcaataaatc cagtactttg gaaagaaaaa caaagcaaaa ccagatacta gatgaggagt 120
ttcaaaactc tctcctgtgt agtgtgtgtt tgaatgatat acagnacccc tccaagaaga 180
caacaaacga tataactcaa ctatncagca tagtaaacat atcacctaca atcagttcag 240
aatctaaatt atttagtcca gcacataaaa aaccgaaaac agcccactac tcatcaccag 300
agcttaaaag ctgcaaccct ggatattcta acagtgaact tcaaattaat atgacagatg 360
gccctcgtac cttaaatect gacagccctc gctgcagtaa acacaaccgc ctctgcattc 420
tccgagttgt gaggaaggat ggggaaaaca agggcagggc agttttatgc ctgtcctctt 480
acctaggagg aaggcacaaat gtgggatttt tttggaatgg ggcagatttt gttcctttcc 540
ctttctggca accnggggca aggcgtttcc caccntggaa aacagttntt ggaaggtttg 600
ggaccttaac attggggaaa ggattttttt tttgttgtgg tnccttttgg ggg 653

```

<210> 905

<211> 727

<212> DNA

<213> Homo sapiens

<400> 905

```

cacggtggaa gggctggggc cacggggcag agaagaaagg ttatctctgc ttgttggaca 60
aacagagggg agattataaa acatacccg gctgggacac catgcattct gcaagccacc 120
ctgggggtgca gctgagctag acatgggacg gcgagacgcc cagctcctgg cagcgctcct 180
cgtcctgggg ctatgtgccc tggcggggag tgagaaaccc tccccctgcc agtgtctccag 240
gctgagcccc cataacagga cgaactgcgg cttccctgga atcaccagt accagtgttt 300
tgacaatgga tgctgtttcg actccagtgt cactggggtc ccctgggtgtt tccaccccct 360
cccaaagcaa gagtcggatc agtgcgtcat ggaggtctca gaccgaagaa actgtggcta 420
cccgggcatc agccccgagg aatgcgcctc tcggaagtgc tgcttctcca acttcatctt 480
tgaagtgccc tgggtcttct tcccgaagtc tgtggaagac tgccattact aagagaggct 540
ggttccagag gatgcattct gctcaccggg tgttccgaaa ccaaagaaga aacttcgcct 600
tatcagcttc atacttcatg aaatcctggg tttctttaac catcttttcc tcattttcaa 660

```

595

tggtttaaca tataatttct ttaaataaaa cccttaaaat ctaaaaaaaa aaaaaaaaaa 720
aaaaaaaa 727

<210> 906

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (608)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (659)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (731)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (754)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (761)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (775)

596

<223> n equals a,t,g, or c

<400> 906

```
agnccatgtc caaggcgtgc ttntntaact tattccatta atactctttt tcacttaggt 60
acatctctct gtctttggag cttccaacat ttttcccttt taattttatt taaaaatgtt 120
ttcttccttc atttattttc ccccatataa acagtatgac aaagggtttg attcagggag 180
agaaaggata tatgaagaca cattcttccc tcttctattc tcttccctgg ttagaaataa 240
ataggcatat agtcctgttt attatgggca ggaaggtagg taaagatcac ctaagtgtt 300
atggcgtgtt ggctttggca catggagaat gagtttttga tcttgttttc tcggcatgtc 360
tgtttcatga gatgagcctg taggaagagt tactaggctc cctgactaag cagcccggag 420
tcttgaccww ywkcaggctg tcaacaatcc taaatagcat atttattacg gactcaaaat 480
gaaatcttra aaaacaaaaa cacaatatat atgtcactgc atggacatcc atcacttttt 540
ctgagcctgt attgcctctg caaacatta tagcagttac ttagagggaa ggattttttt 600
ctagcctnct ggtaacaggc tccattcaga actttctcga catcttatat caatacttnc 660
tacatctaca agccccagaa atctctatgg tctacttggg aatggctatt taaaagcttg 720
aggcacagcg naaaaagcta accataagaa aagnaatttg nttcttctaa atttnaag 778
```

<210> 907

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<400> 907

```
gagccagatt gccactgca ctccacctgt gcgacagagg ggctgtctc aaacaacaca 60
aacaacaaaa agagcaggkt cataatcaca cagcagtgcc ttatatagtt gccataagac 120
ttcagtgcag tacaacataa ttttacagct acatatcagg gcatattcta tatggtgtat 180
ttgtgttaga ataacacatt aaatgtcttt aaacataaaa ataagaatgt ttgcatgttt 240
cagttttcaa gaaccaaag agtaattagc tatagattcc actggcctta aacatacaat 300
taagtgtata catgatatag tgcacacaca aaagccacct ttaattattg aaataacctg 360
tattcttttt ggaaatcatt taagtttggg attgaagtac tatatttttt gtgcatcaat 420
gtatttttct atttacaagc ctatgtaaaa gtgaagtgtg tcttcagtga accatgtgcc 480
aatgaagctg taataaaaaa gtggtctagt ctgtcaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 569
```

<210> 908

<211> 378

<212> DNA

<213> Homo sapiens

<400> 908

```
gtttgcagtt agaagcagggt gttgtaacat ctattaaatg attttataaa tcttggggtt 60
tatcacattt gattaaatgc tgctaagcca ctgatgttca attccagagg aaaaaaaaaa 120
tttaatgact acagtttata aaattaatca ccaggcaaaa ctacatattt aaaatgtcaa 180
aaggcttgaa tcatgaaaag aattcctcaa ccttggtacc aaattattgt tttcaggatt 240
cacaaagcat gttatatatc catttatatt tcagtttata catatgactg gtttctattc 300
ctgagactta agtaagtact tgggtgcgctt tttcttttgt tacagggtcag aaataaatca 360
```


597

ggataatgaa aaatagaa

378

<210> 909

<211> 693

<212> DNA

<213> Homo sapiens

<400> 909

```

aattcggcac gagagaaaaa gaaaaagaag gttaatcctt cagttatgga ggtgggatga 60
atagagcttg tttgatgtta aagtgggtta ggagggagtg gccttgagac acttgatttc 120
caaactctcc tggaggtttc cagtagcact actgttccta aaagggtttc atttttaact 180
tcattctgtt tgtaacatc cagtccaatt gagtgatct cagaggtgca tcaggacatc 240
tagcactggg gaggccacct tgccagata gttgaaaaga aaattggtct gggcagcctg 300
ttgtcttttg tcttcattga atgttttttc tttgttttaa aggactaatg tttattacag 360
tgtaaataaa aagtgtgaaga tactaagtgt gtagaataaa agtgcaataa caaaagacaa 420
tgactttggc acacacttca gtctttatcc tctctccttt cttgtgctac ctggctcttt 480
ccataatatt gttacagcag gaccgtctta attgtgtgca ttttgaagag atgcgactct 540
gggttaatct tcattagtgt aatattgaag gggtgggttt gggtttatag agtattctgt 600
atacttggtg ggatacacaa ataccagatg tgctgtataa taaagatcac attaacgttt 660
waaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa

```

693

<210> 910

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<400> 910

```

ggcacgagct gaccgggaat ggaggaggcg gaggagctgc tcttggaggg gaagaaggcg 60
ctgcaactcg cccgcgagcc gcgcctgggc ctggacttag gatggaacct ttccggagaa 120
ggctgtacgc agggcctcaa agacgtccca cccgagccga cccgagacat cctcgcttta 180
aagagccttc cccgggggctt ggcccttggc ccctcactcg ccaaggaaca gcgcttgggg 240
gtctgggtgt tcgggggamec cctgcagccc rgcygcatgg ntacctggcc aagaagttac 300
acagccccag tgatcagttc ccaccagag caaagaacct agagctggaa nccaacagtc 360
tggntttect a

```

371

<210> 911

598

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (676)

<223> n equals a,t,g, or c

<400> 911

```
ggaacttctt aattgtaggt tcctctgaag cgatttcattg tagatatgtg agtggttttaa 60
acaagtctga aagtgttaca tacttttagg ttacaggggt gctggggaga cagctgagga 120
aaggaagaat atgtggaaga caccacggag ttcaaagttt taccctgagt tctatcttcc 180
atgtatgttt tgcttaaggc atttctcatg tgacattaga aaagctatat ccaaagggtam 240
attttttgtg gcaaagattt attttactt ttaacttttg ggattttatt tgtttcagca 300
aaataaagag cactgaactt taaacttgaa tttttctgc acttttttag gtmatgaaaa 360
ctttttatta tcatttaatc cacatkgctc agtttaaacc aagtataca tgtgtataaa 420
acataccaaa atcatgaata tgctgctagc tgtaccttaa ataaactgat cagtttttaa 480
acctttaata gggttttata tagatwtwwa aaatagtaaa ataactctgt gtatgtttca 540
gtgttcttgg tcttaaatta ttgcaacact ttcagatttg atntaagatc atacagtaac 600
atgttatatt tatacatact gctagaaaat atacttttag ttttaaatg gaatttttat 660
aatgtactt taattntaaa atgg 684
```

<210> 912

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

599

<223> n equals a,t,g, or c

<400> 912

```
ggtgaacccc aagttaaaac cttccaaggg cttccaatg ctcttaatat aaaatccaaa 60
ctgtcccata tgatctgacc tctccaaaac tctccagcct acttttatgc cactttcccc 120
tttactctct atagtttggc catatttgac tcctctcact tcctcacccc tgtkttctca 180
cagtacaatg tacatacggt tataacattg atcccactgt actgtattct ctggtttgcc 240
tttctcact agaatgtaag ctctcagaa ggcagtgaga ccatgcttta tattaccctt 300
gcactcctag tttccggcag tgttgactca aacatttggt gagtaactga gcaaataaag 360
aaaaatagaa aagacaggag aaggaagagg taggctangg gaagataatt ttgtttttaa 420
acnttaagtt ttaggtggca ctggtttagt ggaatanaaa tgcacaanaa c          471
```

<210> 913

<211> 604

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<400> 913

```
gcgcgacacc anccctcact aagggaaaca agctggagct ccaccgcggt ggcggccgct 60
ctagaactag tggatcccc gggtgcagg aattcggcac gagtaactat agcagctaag 120
catttgaatc agactttctca tagcaatggt atgggctgtc tgatatattc aggatttggt 180
gagcagataa gctgtgtgtg atcttactca ttctcagcca tgccgcagac atacccattt 240
ccctttagta attttttaac acagagaatg ctattaactg ttactggata tcaaataatt 300
ttatttttct aatagtattt tccaaatatt tcttaaaatt cttaaaattt aggttaaagt 360
ttgctggtct cttacattta ataaagctgg gacttgaaga cttaccatag ttttcaactg 420
cctttgcaag ttcataaact tctaagggtg aaaagtgaat aagataaatt cagagtttta 480
aggtaaaggc tttatattag cttttttttt ttttaaggt tttttgtggg gtttttttgt 540
ttttnttttt ttttgggatg gagtctcgct ctgtcaccca ggctggagtg cagtggcacg 600
atct          604
```

<210> 914

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

600

<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<400> 914
ccccacaatc ctaggcctac ccgccgcart actgatcatt ctatttcccc ctctattgat 60
ccccacctcc aaatatctca tcaacaaccg actaatcacc acccaacaat gactaatcaa 120
actaacctca aaacaaatga taaccatata caacactaaa ggacgaacct gatctcttat 180
actagtatcc ttaatcattt ttattgccac aactaacctc ctccgactcc tgcctcactc 240
atttacacca accaccccaa ctatctataa acctagccat ggccatcccc ttatgagcgg 300
gcgcagtgat tataggnttt cgctctaaga ttaaaaatgg cctagnccat tcttaccaaa 360
anggaaa 367

<210> 915
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<400> 915
gaactttgca ttttgtasta aaaaataggt ttcttaatat atgtgattgt aatggcatac 60
aaggctttta aattcatgtg catataagat aaattttaaa tattcttaga gggttttcat 120
gaaatatcac cttcacatat ttcacagtt cagtacaaaa tgcaaaaatg tctattgnat 180
aaaacgggag atttaatcac gaccacgtta ggaatctccc agttaccctt gggaacacag 240
cccccanag tggagacatg cttagactgg cattctgggt caacat 286

<210> 916
<211> 1060
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<220>

601

<221> misc feature
<222> (819)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (842)
<223> n equals a,t,g, or c

<400> 916
gctcccgag cgctgtcatg gcgctctgcg ggcgccgaag gactggaacg tgcgcctgca 60
ggccttcttc accagtgaca cggggcttga atacgaagcc cccaagctgt accctgccat 120
tcccgagacc cgaaggcggc ccattcgagt cctgtcattg tttgatggca tcgcgacagg 180
ctacctagtc ctcaaagagt tgggcataaa ggtaggaaag tacgtcgctt ctgaagtgtg 240
tgaggagtcc attgctgttg gaaccgtgaa gcacgagggg aatatcaaata acgtgaacga 300
ygtgaggaac atcacaaaga aaaatattga agaattggggc ccatttgact tggtgattgg 360
cggaagccca tgcaacgata tctcaaattg gaattccagcc aggaaaggcc tgtatgaggg 420
tacaggccgg ctcttcttcg aattttacca cctgctgaat tactcacgcc ccaaggaggg 480
tgatgaccgg cgttcttctt ggatgkttga gaattgttga sccatgaagg ttggcgacaa 540
gagggacatc tcacgggtcc tggagtgtaa tccagtgatg attgatgcca tcaaagtttc 600
tgctgtcac agggcccgat acttctgggg caacctaccc gggatgaaca ggcccgtgat 660
agcatcaaag aatgataaac tcngctgca ggactgcttg gaatacaata ggatagccaa 720
gttaaagaaa gtacagacaa taaccaccaa gtcgaactcg atcaaacagg ggaacaaacca 780
acttttccct gttgtcatga atggcaaaga agatgtttng tggtgactg agctcgaaag 840
gntctttggc tttctgtgc actacacaga cgtgtccaac atggggcgtg gtgcccga 900
gaagctgctg ggaaggtcct ggagcgtgcc tgtcatccga cacctcttcg cccctctgaa 960
ggactacttt gcatgtgaat agttccagcc agggcccaag cccactgggg tgtgtggcag 1020
agcaggaccc aggaggtgtg attctgaagg catccccagg 1060

<210> 917
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (694)
<223> n equals a,t,g, or c

<220>
<221> misc feature

602

<222> (703)

<223> n equals a,t,g, or c

<400> 917

```
gggcatcttc cttccttgat tttaagtctt cagcttcttg gccaaacttag tttgccacag 60
agattgttct tttgcttaag cccctttgga atctccatt tggaggggat ttgtaaagga 120
cactcagtcc ttgaacaggg gaatgtggcc tcaagtgcac agactagcct tagtcatctc 180
cagttgaggc tgggtatgag gggtagacac ttggccctca caccaggtag gttctgagac 240
acttggaaga agctttgngg ctccaagcc acaagtagtc attcttagcc ttgcttttgt 300
aaagttaggt gacaagttat tccatgtgat gcttgtgaga attgagaaaa tatgcatgga 360
aatatccaga tgaatttctt acacagattc ttamgggatg cctaaattgc atcctgtaac 420
ttctgtccaa aaagaacagg atgatgtaca aattgctctt ccaggtaatc caccacgggt 480
aactggaaaa gcactttcag tctcctataa ccctccacc agctgctgct tcaggataaa 540
tgttacagca gtttgccaag gcggggacct aactggtgac aattgagcct cttgactggt 600
actcagaatt tagtgacacg tggctctgat tttttttgga gacggggtct tgctctcacc 660
caggctggga gtgcantggc aactgacta cagncttgac ctccccaggc tca 713
```

<210> 918

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<400> 918

```
ganacnacc tcactaangg aacaaagctg gngctccacc gcggtggcgg ccgctctaga 60
actagtggat cccccgggct gcaggaattc ggcacgagct gaattagaca tattcttta 120
aaataagatc cggtgtcagc catctaaaat gtttttataa attcatactt acattctttt 180
```

603

ttgccggttg cagtcagcct ttagtgccaa gagagaacat tacagcatgg atgaatgcaa 240
ttggtttgat catcactgcc ctaccagtga gttaataatt gtgatttgta cttagtgatg 300
aaatacagcc agctgttcca tgtcagcaaa aagaaaaaga tgcataatagg atgcccttgt 360
acgggacgtc atgcaaatga atgaagtatt ttatgttttt aaagtttttt catattatta 420
ctgcttttaa aatctacagt gactagtttt tgcttttctg tattagatct aaatatatct 480
atgtgactta cgggtctctg ctttttctgg taccacctta cctatccaac tttagttttt 540
acataatagc ttgatctact cttggncact taacgtgttg tataatctaca gcctt 595

<210> 919

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<400> 919

ggcagagctt ggctagattt gaagtgtaat agattaagga aagaaaatcr gttatattct 60
tcasaatagt ttgtctgagt tcatgcttca tgactgtcat gtgttgagtt atctttctgg 120
caagtggaaa tgacggagga gccttaacac gtgtctactg tggaatgttg ttgctaaagn 180
gtaggagaga gctggccagg cgccgtggct cagcctgtg aatcccagca ctttggngg 240
ccgaggcggg aagatcacct gagatcaaga gtttgaga 278

<210> 920

<211> 347

<212> DNA

<213> Homo sapiens

<400> 920

gggatgcgga ccaccttttg cagaactcat atctcgagca gtttaaattg cttgtgacctg 60
ttaacaagaa tactgaccag aatgctcttc atgtagctta tacagttggt tcacttcatg 120
cggttcttga catgtttatt tctaccctta atgcaatgaa atgtttcatt aataaaaaac 180
cactttatat aaaattgctc tagaagtcac atgtcattgg atgtcctgtt gtttatggag 240
tttccttgga aagatgttcc ttgacagatg cagccctgag tcacacactt gggccatgtc 300
tgatctagag ttcgctgtag tggacagtta caatcagccc tcgtgcc 347

<210> 921

<211> 153

<212> DNA

<213> Homo sapiens

<400> 921

gttgtgaagc atgcacggga aaggcaccca ggtcaggggg gatccccgag gagatgcctg 60
agctgaagga ttgtggttgg ggaaagcgta gtcccagcaa ggaagcagtt tgtgggtaag 120

604

tgctgggagg tgagtggagt gagcttgta ggg

153

<210> 922

<211> 930

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<400> 922

```

ccccaaaggcc gtggggacca atggtaaaaa ccaattacca ccttgntgcc gcaccttaaa 60
gactggatgg tgtatattat tcacaattac atcctcttcc ccatagcctg gcagaggaaa 120
gtagttacca gcacggaaca atttcaacat ctactggag tctccaaaan ccnagcagat 180
actgcaggat gtcattaagc aacttactgt cacttcacac catatgtggc agtaagaaac 240
ttaattttta aattaaaagg cacgcataag ctgatttcaa atattttaag tccaggctac 300
tctcttttaga tacaatgttt tgaacacttg tatagaaatg tttattttaa aactgttcta 360
tacaagtgtt caaaacattg tatctaaaga gagtagcctg gacttaaaat atttgaaatc 420
agcttatgcg tgccttttaa tttttttttt aagtttctta ctgccacata tgggtgtgaag 480
tgacagtaag ttgcttaatg acatcctgca gtatctgctt gcttttggag actccagtga 540
gatgttgaaa ttgttcctgt gcttggtaac tactttcctc tgccaggcta tgggaaagag 600
gatgtaattg tgaataatat acaccatcca gtctttaatg tgctgcaaca atgtagtaat 660
ttgttttttt catttggtcc cactgccttt gtgtacatag aaaacttaaa aatttcccc 720
agtctattag aagttaagat gttccctaata ttattaaata tgcctttatt cacaatttgt 780
tttttttagt tattcttaat gcattataga attaagtatg actttgttta tttttattac 840
agtatgtagt tattgacata ttgtggtttg cagaattatc aattgtataa actaaacctt 900
taaattaaaa aaaaaaaaaa aaaaaaaaaa

```

930

<210> 923

<211> 1358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (681)

<223> n equals a,t,g, or c

<400> 923

605

```
tcctaccaca aattctacat caagaagaaa gtttttaaagt tagactggat ttatttgtga 60
ttttatggag cacaataagg tacattgaga tagcatacta aaggaggcca aatacaggaa 120
gcatcatctt ttcttattct cttactgcct ggattttccc actgacctgg aattgtgcac 180
agttctacaa aggacaattg acattgtttt ccttttacta agtagtgggt tttccttaag 240
gtccagactg aattttgaga cctgtaccag gattgccttc tgtgtgactt tttcttgca 300
gatctgacat cattacctat ggggccatat atttgtgata ctttggtttc gggaacatca 360
cttttagaat gttgacataa aatgcaccca cagaatgccg tatttatcaa aagtaacttt 420
ctagcaaaat ctacagcagt aggcatttgg aatctgcatt tgagacctct gcagtcattt 480
ggtcattcca gcaatctatg tccaggttgt caatttcaga ggtctyatta rtctatacag 540
gtaccaatga gctttcagat gttcaacacc taccctggc ctaactgctg ataaccaacc 600
ataacccttg cagatgcatg cwtgttttct gcaccttgct atcatttttc artccatttt 660
tcacatgtat acatagtgat natttttaaa tgcaaccctg atttcacatg cctcatgttg 720
aaatatcgtg tggtttattg kggactwaaa gkgtaacatt cyccytawgg takgtaagga 780
cttttgtaya aaccaatgcc tatctatcya wcattttctga aaactttttc cycctakgca 840
atattttctg gcctctgtga acaacttgta gttccttgag attyctatta tcacttawgk 900
ttttgcaaat ctgcaattga aatgcccttg ttccttggtt atgcctattg aatctatatg 960
aacctgtacg tgtgtttctc actgtgataa tataatcatt gcattgtttt tctttccac 1020
tagaaagctt ctagaaagct agkactatct tttttgtctg tgtaattttt gcatacacaag 1080
ctatatttaa atgtgggtgc agtgagtggc tgttttctgc cacatggaga aacatggctt 1140
gcagtgaag agagaatga agccatgatg aaagcaaaat caagaaagag tcccgaattgt 1200
gttccagtac ctggttcttc tggctctcat gttcagggtc acctctgcc ttttcatgtc 1260
ttgattgttg aattcttctg tgagatactc caaatatcct aataaattct catgtttgct 1320
tcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1358
```

<210> 924

<211> 79

<212> DNA

<213> Homo sapiens

<400> 924

```
gccackcgt ccgcaagaca ctcatgccct ggcaatgtgg ctgccagaaa ctggtggggt 60
agcaacaaca ttctctggc 79
```

<210> 925

<211> 1426

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1391)

<223> n equals a,t,g, or c

<400> 925

```
tcttactct gatgagggt cagacttgat aacgcccgtg gtgccccatc cctataggag 60
ctggtgagat tgcagcctgc tgcctcccct ccatcagcca cagctattgg atttcccacc 120
```

606

```

cagaatcttt aggtaaatga gatcatgatt ctggaaggag gtggtgtaat gaatctcaac 180
cccggaaca acctccttca ccagccgcca gcctggacag acagctactc cacgtgcaat 240
gtttccagtg ggtttttttg aggccagtgg catgaaattc atcctcagta ctggaccaag 300
taccaggtgt gggagtggct ccagcacctc ctggacacca accagctgga tgccaattgt 360
atccctttcc aagagttcga catcaacggc gagcaccttt gcagcatgag tttgcaggag 420
ttcacccggg cggcagggac ggcggggcag ctctctaca gcaacttgca gcacttgaag 480
tggaacggcc agtgcagtag tgacctgttc cagtccacac acaatgtcat tgtcaagact 540
gaacaaactg agccttccat catgaacacc tggaaagacg agaactatth atatgacacc 600
aactatggta gcacagtaga tttgttggac agcaaaactt tctgccgggc tcagatctcc 660
atgacaacca ccagtcacct tcctgttgag tcacctgata tgaaaaagga gcaagacccc 720
cctgccaagt gccacaccaa aaagcacaac ccgagaggga ctacttatg ggaattcatc 780
cgcgacatcc tcttgaacc cagacaagaac ccaggattaa taaaatggga agaccgatct 840
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amcaacagca gcatgacctg tgaagagctc agccgagcta tgagatatta ctacaaaaga 960
gaaattctgg agcgtgtgga tggacgaaga ctggtatata aatttgggaa gaatgcccga 1020
ggatggagag aaaatgaaaa ctgaagctgc caatactttg gacacaaacc aaaacacaca 1080
ccaaataatc agaaacaaag aactcctgga cgtaaatatt tcaaagacta cttttctctg 1140
atatttatgt accatgaggg gaacaagaaa ctacttctaa cgggaagaag aaacactaca 1200
gtcgattaaa aaaattatth tgttacttcg aagtatgtcc tatatgggga aaaaacgtac 1260
acagttttct gtgaaatatg atgctgtatg tggttgtgat tttttttcac ctctattgtg 1320
aattcttttt cactgcaaga gtaaccaggn tttgtagcct tgtgcttctt gcctaagaga 1380
aaggaaaaac naaatcagag ggcattaaat ggttttgtat ggtgac 1426

```

<210> 926

<211> 724

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (704)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (714)

<223> n equals a,t,g, or c

<400> 926

```

ngaggaccag tattttgtta aaaagggcat gcaggamayc ttctctgcct cctacccttt 60
ctcatctccg gctccatctc cagctggccc ccagatcctg tggcgacggg tccccatggc 120
agccacctgc tgacctatca ggactcycta tagaggaagt gtccaagtca ctacggttca 180
ttggtttgtc cgaagatgtc atatcattct ttgttactga aaagattgat gggaacctgc 240
ttgttcagct aacggaagaa atcctctcag aggatttcaa attgagcaaa ttgcagggtga 300
agaagataat gcaattcatt aatggctgga ggcccaaat atagccaaat aacccccggc 360
cagcatggaa caaaactgat caatgcgtgt gctagaaggg gtgggctggg acacaatttc 420

```

607

```

atgtttttgc actaaaaacc ttctctgtaa atagggataa gagaaactct tactatgcag 480
attacgtttt tgaatggtga acaggctatt ttgtacatca ataaaaatgc tgtacagaac 540
acttggaggt gtgccttgta cgtcactcaa caaactca gcagctgcta aaagaaaaaa 600
aggcatgtgc agagaaatca ttcttaccga agtaggttta tgtgagaagg tatgatattt 660
attacaaaat agccaaagct gaaagacata aaaatcttta aaanaaaaat aaangggcgg 720
cccg 724

```

<210> 927

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<400> 927

```

tnaataacat caatgatgac tcctacagta tatttagtaa aagtgagaat gagtgaaaaa 60
gccctactat gtttttaaat agcaagtgtg agctcagtgc tagagtggat atacacaccg 120
catgttttca tatgtggcac ttttatgtat catgttgggt tattgttcta gactggactg 180
ttaaatacta tgtttgaggc tgggttgta tttttataac tgtcttggtg ttttatggcc 240
attatttatt acttttgata cacagaatga gctgcatgca tttatagagc aataagagga 300
tgtatttaat gtgccttggt ttttaactgaa taagaactgg aagcatgaat caataaaact 360
gattaaaatg gtctatttgc tagcattttg atgttacttg cagtcagata actttgatta 420
ctgttgaggt ttaaaaaaag tttgaaaata tttttacaaa ctgtgttttt gatgacacaa 480
aagtgaata tctacagaga tagatgtaat tttataagac tgccagaatt atttgtatta 540
atgtgttgc gtgccttcta gggcatgact tctgtatttg tgcaatccta ttctacaatt 600
acattcatcc tattacaact caaaaaaaaaa aagtcgacgc g 641

```

<210> 928

<211> 245

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (239)

<223> n equals a,t,g, or c

<400> 928

```

cagctccac catggcggag accaagctcc agctgtttgt caaggcgagt gaggacgggg 60
agagcgtggg tcaactgccc tcctacctgg acagcgcat gcaggagaaa gagttcaaat 120
acacgtgtcc gcacagcgcc gagatcctgg cggcctaccg gcccyccgtg ccccccgct 180
agcgcaccac cccgcgtcta tcgccaata aaggcatctt tgycgggaaa aaaaaaagna 240
aggaa 245

```

<210> 929

<211> 297

<212> DNA

<213> Homo sapiens

608

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<400> 929

agagcgagac tccatttcaa aaanaaaaaa aaaaaaaaaa aatcacttgt agtcttggtg 60
tggtatcaaa gaatagccac aattagctga aaaggctatt ttaaaaactt ttccaactgc 120
gtatctgtgt gaagtcaact tacttcaaca aaaaagtttg gatgtagaag cagctgtaag 180
aattcaactg ttattataa caagatacta aagagactgt aaaatgccac cttctcctt 240
ggwttgtttt ggaagttatt cttcataaaa aatgttaacg tgggctgggc atggtgg 297

<210> 930

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<400> 930

gctcgtgccg ttgagaattg tataaggact gtattgtata ttgtatgaga ttgtagatcc 60
aggatgagtc acagtatttt tgaagttgta gtaaatggaa tgaactagaa agatagaagt 120
taatgttcgg aaggcaggag acttaaaagt tagattgtaa aaatttgcaa ttaggagtaa 180
taacgtgggt tgagctgaga tcatgagatt gaatagctag atactgaaga tagcaagtac 240
attggaaatg atgaggtaa atgtcaaaga agataagtaa tttaaatgag acatcaaat 300
aatggcagtt aagtcaggtt gtaaagactg caaagaatga gggaaagtga ctaaacttg 360
ggagagtgat caatataatc aaatagtatg agattccaag ctggaggggt ttgaggagaa 420
ggaagtagaa gtattctgca agaggacact tattttactt ctgagggcag tggntagagc 480
actgagggtt gagaactant ctgcacttaa ggggcgacat gagaagcagc agcatcagtg 540
agagacagat gaccataaga atgaaaatgt nnagggaaa 579

<210> 931

609

<211> 670

<212> DNA

<213> Homo sapiens

<400> 931

```
gtttgaactt tgaaaactgg gcaacgggga gaacctgctg tgaaacagac agctttctat 60
tgtgtctaga gtagcgaga ctttctaaga aatggatgtg gatagagtat gtattggtgg 120
catgcgctg tagtcccagc cacttggagg ctgaggcagg aggatcattt gagtccagga 180
gcttgaagct ataatgcgcc accatgtctg tgaatagcca ctgcactcca gtctgggcaa 240
catagcagga ccttttctct taaaaacaaa aaagagttcc ggtgaaatgg ataaagcaga 300
ctgggaagga cgaagcctgt kgggctggtg gggctgagtc ccaaccagct tcatcagtgg 360
tgatcctttt gaacttgtac caaagtttcc agaacagagg cggcatggat ttacccttgt 420
gtgatgctcg atctcagaga tgggactctg tgattggcct ttgttgaact gacagggtatt 480
tgaatgtgca catcctacgt aggacatcgc attgagtgtg ggcatagtgc cagggcagct 540
tgccctcatg ttaccaaacg cgtttcctgg gatctgtcat tctgtccatt gtgctttctc 600
ctgttactct agcagttcag tgaatgtaag attactactc tgtatatgga actttgaaaa 660
caagaatgaa 670
```

<210> 932

<211> 1755

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 932

```
gactaggnga agatgctcta gaatttamcc aggtttttaa atcagtaatt targatttct 60
aaccattkga acaaatttta cttacatgta tgcacatgtc atttttcgtg tttctatttt 120
tatgttctca aaggtaggat aagggaagga aggaggaaac agcccatttg gggttcaaga 180
gctagctctg ctaagggctt gtaagctatt tctattctgc cctttggtct ttttcttggt 240
tgtcttgtct ttatttttaa atgaaattct tgaagctatg tattgaattt tctagtatag 300
aggatgtgac ttccacctcc aaattccatt taactgatcc ttttaaaaga aagataggcg 360
tatatacacc acgccaaaat aataataagg tacctatgtg agaattgcaa attatacccc 420
agggtagcat ttaggcagcg tcggcaaaaa gtgagttaat aaatcagaag ctacatatta 480
aaaaaaaaat cagtcaatcc gtcgtgtgtt taawtcttgc cttaaagtaaa tggagatatt 540
gttttgcttt ggtaaccagc aatttttaat ttttttttat tgcccgc aaa ttgagattgt 600
tttgttaaaa tctgttgatc tagcagcaag tagaattatt caactggaat cttgtattct 660
attcagagct taattttccg ttaaggaaaa aaatgagctt cagtttgtgt tgtgatgtgt 720
ataatttgca tgctgaatca caacatgctt ggagagattg tagagactct ttggtaaata 780
atctaaccct tacaatttyc cgtttatatg ttaacmtttt tctataatat gaggccttt 840
ccaatgcaca gatatttttt atggctgtaa tttctctgta aaaataattt ttaagcatac 900
attttattct ttttttgcaa caaccgagat tttccaaga ttgttctgtt tcccctcgcc 960
ctcctagctc ccgcccccg cacttcggcg cttgtatttt ctaattattc atgggtgcca 1020
tggtgagtgt ttgtaatttg accaccacag gtaagcttcc tgtttacttg aacactcagc 1080
ctcatctccg gtgaatgaag ggaaaagcac agatgggttt ctcccaggca cagctcactc 1140
caaagggtgc ttcatagagc caaccagcc tttctcaagg gagcatttcc ccacttaatg 1200
tgtttatcag catctttctt ccgccaagaa ttcaagagca ttttcaaaat tgatagattt 1260
tggtgcagtt ttgcaagttt ccgtggaagg ctgtctcccg cttctgggat ccacccccat 1320
```

610

gtcgggacca gatcggctgc agggagtcac gtttatgaaa tgttggtggt tttttttttt 1380
ttttcattca tactagaagt gttttttataa cgaaaatctg cactttacaa ctctgcaggc 1440
catgcatgca atgggtgattt acagccttgt ttacgtgtaa ttccctccagg tgatttatcc 1500
caatttatgc aaagatccta ttttaaacag acacggagaa gtggtaaccg tttcctaaca 1560
gcagcaagaa tgcccccttc gtttgccctgg tgaaaagaac tgacattaac agcagcttgg 1620
aggcttcgag gaggtgggga cgtggcctga gctcgggacg ggggccagc gcgggttgtc 1680
ggagcgtggc tgcccgccga tgtctctgta tttatcaata aatctcccgg ttgctctggg 1740
aaaaaaaaa aaaaaa 1755

<210> 933

<211> 690

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (687)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (690)

<223> n equals a,t,g, or c

<400> 933

tttccacgcg tccgcccacg cgtccgccc ngcgtccnng cagggcagag aatcccccca 60
attctcgctt gaaatctctg gcctcaccct tgcctggggg tggactgaaa accctcctcc 120
ccaatttggg ggggtgttgc ccatcactgc ccagctcctc tgactgcccc ccttgaattt 180
agggtggggg tactagtcac tgccaatgtg tgtatgggac ttgctggaaa acgggggatgc 240
ttgcccctct ccaggactat tgagcccaga gagagctgtc ctctcattgg gtgaactgat 300
tgaggaaggg tctattgtct ttttaaattg cacaatttta agggtttgag ggtacagtcc 360
cttaacctgc cacgggaggg ggcccccaaa ctttcttccc cccacacttc tggttttctg 420
tgtggagggg gagcagggat atctaagctg tgggtgtgaaa gggtaggaga gatgctggag 480
gtgggggtgc tgtgttctag acccccata ttatcccagt gtcccctgcc cccctcttcc 540
cccaccccat gcccctaatt ctgtggcgca tccagattgt gaaaatgtac aataaatgtg 600
taatgagtaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660

613

aagtcaccagg agttccctttg tggctttctg tatacttttg cctgggttaaa gtctgtggct 420
 waaaaatagt cgaacctttc ttgagaactc tgtaacaaag tatgtttttg attaaaagag 480
 aaagccaact 490

<210> 938

<211> 1165

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<400> 938

gacagtcacn gtacngnaat tcnggccagt ncgacgctgc aaggggggacg cgggtcggac 60
 gcgtccggct gtggaagaga gcggcggccg ctcacaacat gcacagcctg gcgacggctg 120
 cgctgtgcc tactacactg gcacaagtgg atagagaaaa gatctatcag tggatcaatg 180
 agctgtccag tectgagact agggaaaatg ctttgctgga gctaagtaag aagcgagaat 240
 ctgttcctga ccttgcaccc atgctgtggc attcatttgg tactattgca gcacttttac 300
 aggaaattgt aaatatattat ccattctatca acccaccac cttgacagca caccagtcta 360
 acagagtttg caatgctctg gcattactgc aatgtgtagc atcacatcca gaaaccagg 420
 cagcgtttct cgcagcacac atcccacttt ttttgtaacc ctttttgcac actgtcagca 480
 aaacacgtcc ctttgagtat ctccggctca ccagccttgg agttattggg gccctgggtga 540
 aaacagatga acaagaagta atcaactttt tattaacaac agaaattatc cttttatgtt 600
 tgcaattat ggaatctgga agtgaacttt ctaaaacagt tgccacattc atcctccaga 660
 agatcttgtt agatgacact ggtttggtt atatattgtc gacgtatgag cgtttctccc 720
 atgttgccat gatcttgggt aagatggtcc tgcagctatc caaagagcct tctgccggtc 780
 tgctgaagca tgtagtgaga tgttaccttc gactttcaga taaccacagg ttttcagatt 840
 tgactttctg ctggtcatct tttcaaagaa aatgaaacgt ttaaaagtcc atctgataat 900
 actgctacca tagttttgtt ttcactgctc atctcttatt aaggttttta accataaaac 960

614

```
tgaagcaatt tctgtaaaga cacaaattga taacttagta tagaattaaa attcattaag 1020
ttatcataag tttgatgata tccttggttaa tgtactgatt tttgaattat tttatttgcc 1080
ataatccata tattttctaac atgagtattt tgacagtatt taataaatca gaaagctggt 1140
tgaatggaag taaaaaaaaa aaaaa 1165
```

<210> 939

<211> 448

<212> DNA

<213> Homo sapiens

<400> 939

```
tccgtctcct agtgtccgga atcggtctgc agctccctgg ctgttagtac cttctttccc 60
ggagtcctgg tccacgagtt ggatttactg ctgtcgcggg tgggcctcac gccattccct 120
gtccctcggc cccctgagtg agtccggtct cccggcgaaa gtgagcgagg tttgcccgga 180
gcgcgcacga ggggaaaatg cctaaaaaaaa agactggtgc gaggaagaag gctgagaacc 240
gccgagaacg tgaaaaaaca ctaagagcat caagaagcac tatagattta gctaaacatc 300
catgtaatgc ctcaatggta tcagcttttt ttgatatcag ttggtagttg gaaaaactat 360
atactatttt atctgacgta tacctgaata aaattttagt gaagacagtg ttttttggca 420
ttatagtttg ttggtgaatt tagtatct 448
```

<210> 940

<211> 932

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (897)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (929)

<223> n equals a,t,g, or c

<400> 940

```
gagagtattc agcacaataa tgttcttaaa cccatcaacc tactttcaca gcaaataaag 60
ccaggcatga aaagacaaag gagtttatac agagaaatcc tcttcttatc attagtgtct 120
ctaggaagag agaataattga tattgaggca tttgacaatg aatatggaat tgcatacaat 180
agtctgtctt cagagattct tgaaagggtg cagaaaattg atgctccacc aagtgccagt 240
gtcagtggtg gcaggaagtg ttttgagcgc cctctcattt aaatagagat tcactagaat 300
gttgacacac aaggcttggg gattagattt catctggaaa cattcaagtt tttttttcca 360
aatcgtaaga actggtgaat acggaattga agtaactctt ggggacaata tataatgaat 420
tatgattcat attgcattac cttgaaatat gaagtgccat ttgaatgtcc cagggttat 480
taataattgaa gattttcaac ccctgaactg cttttctgcc tctgtggaaa actactttgg 540
gattcttcag tattttagtg agtttgatag aaataatgag gaaccatatt cattctaggc 600
attgtttata tttgaagtta ctgagtttga ggaatggcaa attaaatttg cctaaccctc 660
aaaacaaatg aaatatctca attataaaaag caacatggcc gggcacggtg gctcaggcct 720
gttaatccca gcactttggg aggctgagca aggtgggtgg atcacttgag gccaggagtt 780
cgagaccagc ctggccaaca cgggtgagacc ctgtctttac taaaaatata aaaattagcc 840
aggcgcacca ctgtagtccc agctacttca ggctgaggca ggagaatcgc ttgaacngag 900
```


615

gcagagggtta catggagtgg tgatcacgnc at

932

<210> 941

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (640)

<223> n equals a,t,g, or c

<400> 941

```

gtggcacatg aaattttctca gatcactaat gatcttgcac agattattat tcctaaagat 60
aactcatctc tcttgaaaag gttggcatgt atagctgcat ttttttgtgg actcctcatc 120
ttatcatcca ttcaagataa atcaaaacat taggttccaa aaattctaaa aaacctaaac 180
tcttcaggct acctttgtgt gtctctagaa gagaaaagca tctatctgga gatataaatg 240
tgtatgtaaa tataaacggt tgtggcaaga ggacagttct gtgacatctg ttgaacatat 300
gtggttgtat atattggaaa tgtacatata caatatgaaa tactaaraca aacaaacaam 360
caaaaaacca gaatgcattg tataggattg catgtgaagt cttttctact gaatctatat 420
ttccatttgt aagtgatattt aagttaacat atgaaggcag ggaaatgatt acctttccag 480
taaaaagtat agataattta attaacttag tgacaccacc aagtgttttg aatataacta 540
aatttgtggt aataagactg tctgcacctg tattcattgt ggaacttcct ctttcmttgg 600
aaactttctt actcaagaat gacggcagta ttgttttctn atatgtgcca atgaaagtgg 660
gatgataaac agtatgcctt taatttataa tgtgtccttg ttcctgaatg ttgtttcctg 720
gaaatgaatt ttcct                                     735

```

<210> 942

<211> 858

<212> DNA

<213> Homo sapiens

<400> 942

```

ggcacgagtg cgtctccagc gtctccagcc gtagtctgaa gggagcaggg tggcgactct 60
ggtgacaggg cgatgccagt cctccactc cagaggagaa cgaaaccacg acaaccacg 120
ccttcaccat ccaggagtac tttgccaagc ggatggcagc actgaagaac aagccccagg 180
ttccagttcc aggggtctgac atttctgaga cgcaggtgga acgtaaaagg gggaagaaaa 240
gaaataaaga ggccacaggt aaagatgttg aaagttacct ccagcctaag gccaaagaggc 300
acacggaggg aaagcccagag agggccgagg ccagcgagc gagtggccaa gaagaagagc 360
gcgccagcag aagagcagct cagaggcccc tgctgggacc agagttccaa ggcctctgct 420
caggatgcag gggaccatgt gcagccgcct gagggccggg acttcaccct gaagcccaaa 480
aagaggagag ggaagaaaaa gctgcaaaaa ccagtagaga tagcagagga cgctacacta 540
gaagaaacgc tagtgaaaaa gaagaagaag aaagattcca aatgaatcct tcccagccgg 600
ggccttccga ccaactcagct gtcagggcac tgccgggggca gacacctctg gcctgaagtc 660
acagcagagt tcaccccaga gcgcctgggc gcatcttggt gcatgcccat gggctgccga 720
gtcctgccct ctgccacat tcccccaag ttacattccc aggaggacct ttttaatggt 780
ctcaatcgtg gctctcagac acaaataaat ttttttgtaa actctgaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaa                                     858

```

<210> 943

<211> 1345

616

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (773)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (968)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1339)

<223> n equals a,t,g, or c

<400> 943

```
cccgtccaca atgcagcaga ctcttcccaa ggccacctag caagcaaggt tgatcggatc 60
atctaaactg gccgcctcct gaatatttca ctgaatcctg gcgttcatgt tgaagcagac 120
aaaatgagaa aggaggaggg cattgctcac ctctcaatag cttttttcgt tcaagttcta 180
tgtctttatc agctcttgcc tgtgatttta cccaattca accttgggag tgggaagaat 240
atgaacagat aacccttggc ctaacagctc catcaaacct ccttgagagc aactacctag 300
gccaggctag tgagtgcctt gtgaggaagc tggtcagaag gtccctctca ctccttctctg 360
gtcctcctgg aactgcaga aaagacttag gggatcccca gcagaggcca attgctctcc 420
```

617

```

ttccttccct gccccaccag gaaaggaata acgtccacag acttgaagca gatagtgaag 480
tagatctgtg agagggttcta ggtacttagt gtgtagactt tgacgaatat ttctcaagtt 540
gggagccctt gttaaaaatg atgtttaagg gagtgggttg ggggaagatg aaggcatgga 600
ggaggaagaa gagaaggaag cccttgccat ataaaattca tgcagactaa acagtgtccc 660
tgacagaata aataaagtgg atgctacccc actccagaat caaaagcaat ttaattaaag 720
tctcttaagt tgtaaagagt tttaaatgat ccgtgttgaa ggcaatsct gcnaaatgca 780
gtgggtctga cgtcagctgc cgggcctggg ctgggaggcc atttgctatt ctgtttaagg 840
caggctggat tgtcttattt tggaaccagc ttggtggggg gtttgctttg ctactgcttc 900
tgagccctga gcttcaaagg ctgaaattaa tggatgaacaa aattgtgcgg ctctggccat 960
cccatgcngg gcaagcccat tgagggttat cattaagtaa agaaataaag agggggaaaa 1020
aagcctgcct gttccaaaaa cctcatcaga taatgacctc agtgattggg ttttcattac 1080
caaacagcat ccagagatta tcaaccata gaagaaggga ggggaaaaaa aaraaaaaa 1140
ggaaaagcaa ctgnctttct ctctctctct tctccttttt tttgcacatc tttcttttaa 1200
aactgncaga tcatttcaag tatttcaaat ccgaggaaaa cagcctggct gctgctggat 1260
ttgaagtgga atgggggcaa aaagcccact ggctgacanc cgcagtcca aagggnntat 1320
tnaatcttaa aacttgccng gaata 1345

```

<210> 944

<211> 1829

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (601)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (918)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1411)

<223> n equals a,t,g, or c

<400> 944

```

gaattcggca cgagatttat tattatttaa ctctgcagt gagcaaatgt gagtaacatt 60
tgaatgaaaa taaattttca gcttatttac atgaggtaat aaacttgact ttatcaagta 120
attgtgggag tggggaataa acctcatctg gggatgggaa ataaacacca ctataaagaa 180
accactaaga tttgaatgcc ttgcttgttt taagtttgtt gatgcaggta ttgcattgat 240
tatgcatcag ggaactggaa accaaggcat tcgttctttt aagaaaatag attcttaagc 300
ataggagtct catgttttaa gaactatttc taagtccaac taagatcgag tttttctgtc 360
tctattggca aktwtyaaga ggcataaact ttaaagaaaa agggaaaatg tgataaatta 420
atggaataga ctccataggc ttttattcca acttttatat gatgcaagtc tatgtgcttc 480
tgtctgactc acttatttct gtwatcaaga tgaactagt aaggggaattt ctctctcaat 540
gctaaattaa ttacatgcat tggggatagt catccagaga gaggggaagg gaccttctga 600
ngttgtcacy cagwaaataa ttgcctgagc tgagaatggc atgtgggtca cagaattggg 660
gtttctggat ttaggaaata ctctctattt tttttccact cctgctggct aagccaagaa 720
tggcaaatat gtgttcatgc tgctgcattc ccttcaggc ccataaggac gttggcaatc 780

```

618

```

cttcatagcc ttctcacagg cggaacctgg attaatTTaa gaaccctttt gtgcctggct 840
tttcaggaag ccagtagcaa tcaattgggtg ctggcatgaa gcatgaaact atttgccatc 900
tctgagttat gccagtanaa ttggcatgct tctggtttcc atgcatacca ctacctttca 960
tgggttttat tgtgcacaaa ctttgcatgc ctttagaatg atatacctac gcaggatat 1020
aatttgtcac cctgatccaa aaagggkaag awgccmagac catagtgagc ctcttattag 1080
aaagctcttg gcttcagttt ttgacacttc cctgactctt tatattcacg ttatcataag 1140
ctgccaaatt cttgactcta taaattgccc tttaacagct tattaggaat tccaactact 1200
gtattctagc accaactaca gcatattcag agcctctgca attcctaaaa gtacacttaa 1260
accaaataca tgggccagcc tgcattctttt aaaatacatt ttatgccttt acacttcgta 1320
ttaagttggg tgagaattat gttttaatct acactctatc ttgaattgtc ttacatttta 1380
ttctgcttac cagggttcar gttcttatcc naaaatgaag ttaaattttt ttctcttaga 1440
tagttgcatt ccckgaagca attaraacag catgatcccc ttggtgttta ttgacattct 1500
catcattgtc tcattgggct ttaggtttta catgcctcat gatgacaaca acaaagttaa 1560
agaagaagga gttaagagtc cccagcatgt catggctcca acactgaact tctacaccaa 1620
cccctggatg tggcTaaagt gtagtcgaaa atatatact gagtttttag agtaagactt 1680
gaacattctt ttagcacaaa cttctagtgc ctggcctaca ttagtgTaa taattgtggg 1740
aaagacaata tgaagtcaaa cattcctttt gagttatttt tgttgacatt ccttgagaa 1800
ggcaaaaaaa aaaaaaaaaa aaaactcga 1829

```

<210> 945

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<400> 945

```

aaaaaaaaa aaatgaaaga aacttgcctt ttactttat atattcccat agtcacacac 60
ctagacctct gtttggccag attaccagat atgtatgcaa agagaatttg tagtgaaaac 120
tgtcgagtca tattcaaatc ctttctgtaa tgaaaagctt tttcctaaaa tctgttgga 180
attgctcatt ggttaactac ttctgtaaaa gtatttggtt gaaattccag agttttatga 240
ggtgarggat aaaaagrtgg ctcaaggcct actaaagtca acctgcatca ttagtccctt 300
tcagaagaca rgracckggg ttwtgggaaa gattcngtt tkctgratct gctatkagtt 360
tctgctgcct cacttggeca acaatttt 388

```

<210> 946

<211> 637

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

619

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<400> 946

```

cctcactnaa  nggaacaaaa  gctggngctc  caccgcggtg  gcggccgctc  tagaactagt  60
ggatcccccg  ggctgcagga  attcggcacg  agcggccgcc  tccatgaagc  ggaaaagcga  120
gcggcggtcg  agctggggcg  ccgcgcccc  ctgctcgcg  cgtgctcgt  cgacctcgcc  180
gggtgtgaag  aagatccgca  gctccacgca  gcaagaccg  cgcgcgagg  acccccagga  240
cgacgtgtac  ctggacatca  ccgatcgct  ttgttttgcc  attctctaca  gcagacaaaa  300
gagtgcacat  aatgtacatt  atttcagcat  agataatgaa  cttgaatatg  agaacttcta  360
cgcagatttt  ggaccactca  atctggcaat  ggtttacaga  tattgttgca  agatcaataa  420
gaaattaaag  tccattacaa  tgtaaggaa  gaaaattgtt  cattttactg  gctctgatca  480
gagaaaacaa  gcaaatgctg  ccttccttgt  tggatgctac  atgggtatat  atttggggag  540
aaccacagaa  gaagcatata  gaatattaat  ctttgagag  acatcctata  ttcctttcag  600
agatgctgcc  tatggmangt  gcamtyctac  atwacc      637

```

<210> 947

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (746)

<223> n equals a,t,g, or c

<400> 947

```

ccacagtcgc  agccccggcg  ccccgaaagc  ggaaaaaggc  tgggtgccgc  cgtccccag  60
ctgcgcaacc  ctaggaactc  tcggcaaaaa  aaagagcatg  aggaatttga  agactgagag  120
atgagttgtg  tagcaccaac  atttcttttc  tgcttgacct  tcatacctga  tgaattaaaa  180
gcataggatg  tttggaagag  tgagataagg  gacacattga  aaacagagag  gcaatctgaa  240
ggctaccttg  acgcatctgc  aaagctccca  gattctgact  ttcacaagac  ttgctttctg  300
tttctgggcc  tcgcctaaac  agactgccag  tcattccgaac  cgtggcagga  tggagatgtt  360
tgtgtaagg  agactcaagt  ttgcaagact  caagaaggaa  accaccaaac  taatttwact  420
ttcacttaaa  ccagattgaa  accaagactt  gaagaattaa  aaactttgac  attaaccatt  480
gattcactcc  aatgaaataa  ttgtgttata  gccagaatca  tggtgaaatt  ggaacaaggc  540
ttttgatggg  atttttaatt  gagggactta  tattaaattg  gatattttct  ttaatgaaca  600
gcatgtggcc  aaaattctat  tttcattaaa  gtatattaag  catcatgaca  actcatatta  660
aacctgcaac  aatgatttaa  tgacatttag  agacttcaaa  tgtcatgaga  caccttaaat  720
attaagaatc  aaaaagaaca  cctcanagtt  gtg          753

```

<210> 948

620

<211> 912

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (757)

<223> n equals a,t,g, or c

<400> 948

```
gctcgtgccg aattcggcac gaggttagtt gccgaaatat actagttctc tgaggggttaa 60
agaagtaaaa taccttttta aagttaaata tcactagaaa aatcagtgtt attacaaggg 120
aagaaatgaa ccagttttaa gaatttgcca tcagtagcag tattaagcag tggttaatgt 180
cttaraagtc agacttcttt ttcaaggtct tcagaaccac acttgatttc tgttttggtg 240
cagctgtaat tgacacacac taggcagctg actccttgaa tatccagtgt gaccataaa 300
atagctgtgt aataccggat cttaattttt atgttattca ttaagatttt aactatattc 360
agtacgtaat ttggagacaa actagcatca tcaaaactgc ctgtaaataa ggtgtttagt 420
ctttctataa aaacagaata gagcagttac ctaccagtta aaatatctta tatgaagaaa 480
atagaataaa gatccagtca tatatgtaaa taagatgtac tgattgtacg taaatgaaaa 540
atggaccctt taaaaattat ttttacctga agcttgatcat aattttttta aagcaaatat 600
atatatggtg atggtacttt tcaaagtgtg tattagtggg gatcacctca aacataaacc 660
tctgttgtga atcatttgtg tccttttcaa ctgtctttca gaggaaggt aaaaaatcat 720
taaacctgaa attcattgtt aaaatcaa atttgtnagc agtaactcaa gctcatgggt 780
ctcaagcaga aaaagggttg ggargactta aaaatggagt ccagggttga catgggagac 840
tgcttaactc ccttggggta ggcattgggc ttgccttcag caaaccagtg catttcccca 900
tgtcttagtt tc 912
```

<210> 949

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

621

<400> 949

```

gcagtgcagcc gagatttcac cagtgcactc cagcctgggt gacagagcaa gactccatct 60
caaaaaaaaa ataaataaaa aaaaatgcag ctgcaggagt gaggcgcttg gaggtacctt 120
gacccaaaga gcagggcaga ggggtggcagt ggcacatagg caagtgtctt tgcattgacat 180
cttctcagag cttcacaata atgtcaggga ccacatttaa tgctttttta tctcccatag 240
tgccctggctc acaggaagtgc ctcagatatg ttaagtaata aaaagttaat gtgggtgggtg 300
cagtggctca cgcctgtaat cccagcactt tgggaggctg aggtgagtgg attacaagggt 360
caggagtctc agaccagcct ggctaatatg gngaaacctc ggctntacta aaaatnccaa 420
aattactggc atggnnggtgc                                     440

```

<210> 950

<211> 1006

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<400> 950

```

attttcacaaa ggaaactaat ttattttttct ataaaatatc gcaaaggaat cgaatacatt 60
tttattctat gtaaataata atataatttt cacatttagg aggcaatagc aaatctggga 120
agcagttatt ctaagttgga agagcattat cccaatgcat tgaaaacatt tgatgactat 180
tttttatgtc ttctttatct tgatgattat aataatgttc taactgggtg gccttcgctt 240
ttcactctag tcagtcacac ttgttttacta tgtcaattgt tctccaaaaa gtagaaatgt 300
cattgttttg gggccataka acatttcaga agctttccag tatctatgca gtaacagtcc 360
aaaccctca acataacaca ttacacctg caagtatggc cccaaatntt caagtggctt 420
ctgtcactac tccatagtag ataccctttg ttacagctgt ttcacaaaata caggttgaat 480
atcccttatc taaaatgttt gggactamaa gtttcagatt tcagatatgt ttggattttg 540
gaatattttg acatgtataa tgagrtactc ttagagttgg gacccaagtc taaacaaaat 600
tcattttatg ttcatatata ccttatacac ataacctgaa ggtaattttat ttttcccttg 660
ggaacactga atagactata tgttggtgcac ctacattttg actgtgacct atcacatgaa 720
gtcaggtgtg gaattttcca tttgtggcat catgtcagta ctcaaaaagt tttggatttt 780
ggattttgaa ttttcagatt agagatgctc agcctaatac caaatgttcc catgtttatac 840
acctcaacct cccattccca ttggctggaa catctctgct tatattaaat gtcttttatg 900
tgaaatctgt gttctcatag ccttttgtat agttctctac catctcatgg ctcacattgt 960
attgtactta tttgattmaa tatctggatc atctactgtg aaaaaa 1006

```

<210> 951

<211> 1302

<212> DNA

<213> Homo sapiens

<400> 951

```

aaagaaccaa tgcaagtttg gtttctatcc agaaaaaata caggaacaga ggaaacaaag 60
caggatgatg actgaatctt ggattatggg gtgaagagga gtacagacta ggttccagtt 120
ttctcctaac acgtgccaaag cccaggagca gttcttcctt atggatacag attttctttt 180
gtccttgctc attaccccaa gactttcttc tagatatatc tctcactatc cgttattcaa 240
ccttagctct gctttctatt acttttttagg ctttagtata ttatctaaag tttggctttt 300

```

622

```

gatgtggatg atgtgagctt catgtgtctt aaaatctact acaagcatta cctaacatgg 360
tgatctgcaa gtagtaggca cccaataaat atttgttgaa tttagttaaa tgaaactgaa 420
cagtgtttgg ccatgtgtat atttatatca tgtttaccaa atctgttttag tgttccacat 480
atatgtatat gtatatttta atgactataa tgtaataaag tttatatcat gttggtgtat 540
atcattatag aaatcatttt ctaaaggagt gaattctaag ttttagggga aaaaatgcaa 600
tttattttca gactcccaa gtaagaatta acatatcatg ctaagaaaat agtgactatt 660
ttgaagtatg ctacttcctt ttcagaaata tagaatacac gtttctgtta ttaaagtatt 720
tgattactaa ttcaaatcat atggcaatta taattcttct aaaatgctat catttgtaac 780
tgtatccctt gtattaaatc tcattaacca caggcagctg ttacagaaag ctgcattgtt 840
tcacattgag ctgttacatt agttcaggct aaatgttggg mgctccaacc acatccaaga 900
ataaatctgg aaacacactg ctgggatact gctgttagag cccttcttgg ccttgtattc 960
ccagaaatga gctccctttc cttagcttag aagaatgtga ttatatccag gacatcatgt 1020
tcagaaaact tagtttactt tcagcataga atgcattact gttggaataa ttggcctcta 1080
gctcttaaat gtctctgata acttattaat atctatcttt ataaaataga gtgcaactac 1140
ttttgtgtaa aaatgtttgc ctttaaattt agtatttcat atcagcacat cgatatatgt 1200
ataaatgttc catgttaatg tgtaaaagag tctgtaataa attatttttt tcacgtgtct 1260
ctatacagtt tttatttcma taaaaatatt aacattaaaa aa 1302

```

<210> 952

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<400> 952

```

ctgtaacctt ttcacgcgct atctgctaaa aatgttgccg atgtgaagta aacatggatg 60
tagtnacctg acgtgccagg cgaggagtga gtgtgaaagc gragaagsag gaaactgccg 120
cgaccatgaa agackttgcc ctcaaggsaa aagtctctac agcgaccgtc tcccagcat 180
taatgaatcc cgataaagtc tcccaggcca cccgtaatcg ggttgaaaaa gcggcccggg 240
aagtgggtta ttaccgcag cctatggggc gcaacgtcaa gcgtaatgaa tcccgcacca 300
ttctggtgat tgtcccgat atctgcgac cttcttttag cgaaattatt cgcggtatcg 360
aagttacggc ggcaaatcac ggatatctgg tgntgattgg cgactgtgcg catcaaaatc 420

```


623

agcaggaaaa aacctttatc gntttgatca tcaccaagca aattgattgg n 471

<210> 953

<211> 918

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (862)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (871)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (881)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (903)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (916)

<223> n equals a,t,g, or c

<400> 953

```

cggcagcgcgt gggcctactt tcacgcttcc tcccctcccc ctccctccctt atcccttcgc 60
tttcgctcctt ttccgtcgag gccgaccctt gagttgtgag tctggggtct ggttggtgaa 120
aaagagccctt tgaagctgga agacgggaga ggacaaaagc atgtcttccc ttccctgggtg 180
cattggtttg gatgcagcaa cagctacagt ggagtctgaa gagattgcag agctgcaaca 240
ggcagtgggtt gaggaactgg gtatctctat ggaggaactt cggcatttca tcgatgagga 300
actggagaag atggattgtg tacagcaacg caagaagcag ctagcagagt tagagacatg 360
ggtaatacag aaagaatctg aggtggctca cggtgaccaa ctctttgatg atgcatccag 420
ggcagtgact aattgtgagt ctttggtgaa ggacttctac tccaagctgg gactacaata 480
ccgggacagt agctctgagg acgaatcttc ccggcctaca gaaataattg agattcctga 540
tgaagatgat gatgtcctca gtattgattc aggtgatgct gggagcagaa ctccaaaaga 600
ccagaagctc cgtgaagcta tggctgcctt aagaaagtca gctcaagatg ttcagaagtt 660
catggatgct gtcaacaaga agagcagttc ccaggatctg cataaaggaa ccttgagtca 720
gatgtctgga gaactaagca aagatgggtga cctgatagtc agcatgcgaa ttctgggcaa 780
gaagagaact aagacttggc acaaaggccc cttattgcca tycagacagt tggaccaagg 840
aagcacgcaa gcgccggtga anagcgccct ncaggcccaa naaaggaagg agaatcattt 900
aangactttt attccnaa 918

```

<210> 954

624

<211> 1683
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (344)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1604)
 <223> n equals a,t,g, or c

<400> 954
 cgctnttccc cccacacccc gtgtggccag ggatccccgc atggcccatc ttagaaaactc 60
 aactatttgg tggatgctaa acacttcact tcaggcaatc ccaaggcatt tgctccaggg 120
 tatccgatga gattacagct gttaagcctg ctttccattt cataacttgc tgtgcagcta 180
 gttaccaccc ccatgctgaa gagtaaagca aagtgccgtg gttcggcagt ggaatccacc 240
 cccagcactc tgctcgact ggagcgttca agtccggtta tgtgagaaca gactaggact 300
 ctcttgctgc ctctaattgc atttcactgt caccctcccc agtnttctga tgggtgtcat 360
 gtgaggagaa gatgagggtta ggactgagaa gtgcagaagt tggaaacagt gtaaggctgt 420
 tttaaaataa gatgttttgt ttttaataata tgctcctggc acaaagctag gagtaaattgt 480
 gactccaaag ggagttcagt taatctctga aatgcacaaa acctagctat tttctccctc 540
 tcatcacagt ctgagtctgg tccattgcta cccaattct ctggggacat aaaaccaggc 600
 tggaaaggga ccaggaagtt tgaaatagt acatatcatc cactagtccc aagggttaag 660
 gaatagttag tttattctgg aaggaactgg gaagcttagt ctaattagt cctggggatg 720
 acctatgcaa tcacaccgct tatgaccatc ctagagaggg ccctgagcac cagcttgatc 780
 ttagggattt ccaaagtaac ctgctttttg cctggatagg gttaaaatag acctttcttg 840
 cctatccttg ccttaacctt tctgcctgag gttggcctga gattgtgagt caacgacttt 900
 gctatctttt cctcagtgtt gaactttcat taagaaataa agtcctagct tcttacagag 960
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 cccctagctt ttctgccttt gtagggacag caaaagggga aaatttgctg cagaaaattc 1080
 caaaagattg ctgtagctct cacaggggaag tggtaaagat cagctaaacc tgggttgggg 1140
 tgctttctgc ccagtgggtc ttggcataag tagattaatc ctgctctttt aagaaaaggc 1200
 aacttattca ggcagtctgg aaagggggtt ctcagaaaac tcagtttctt tattccttct 1260
 tttctcccaa ctactgttac tgggtataga ggtctttgga ctctaaagac caatgtttgg 1320
 ccactaactg gactaatatg tatctttctg tgatttcac atagaggtct gttttgtgag 1380
 ggtttggggg gcagaaaact ttgattaaat cttaatggga ggctgggtga cctggattat 1440
 ctacagttag cagacttaaa tggaaacagaa gtttatgtgt ccaaatgatg gaatcattaa 1500
 acctgagtga cttgacctgt gtggttccct aatagtatct atatatctag acaaaaatag 1560
 attgtgaatg taaatggtga atgaaaagga tggaaataat gttntcatat gttaatccat 1620
 gagcttgaat ccagggagga atacctcggg gctttaacca ccttagttat aacacatttc 1680
 tta 1683

<210> 955

625

<211> 119

<212> DNA

<213> Homo sapiens

<400> 955

acctcctcgc cctgggctgc cccgcctggg tctgggggac ctgaacctcc tcgmccctggg 60
ctgccccgac tgggtctggg ggacctgaat ctctcacc c tgggctgccc cagctgggt 119

<210> 956

<211> 351

<212> DNA

<213> Homo sapiens

<400> 956

aaaactctgt aggctgatta atgaagatgt gaatgagcag gttatgcagg tattaggacc 60
tgaagacctc cagagcatta tctacaaatt sgaagaacac gaggaatttt tcccagcatt 120
tcaggcattt actaatgatc tacttgaaat cttagaaatt gatgacytgg atgccattgt 180
acctgcagta aagaaattaa aagtactttc atactgaaaa caaatcaaat catttttact 240
gtgtaaattg tattcttaac attttgtatt ttgtaggatt gatcttattt tgagacaagg 300
gttgtaaaat gtatttgctc tcagaattca tccccttctt agtattaggt c 351

<210> 957

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 957

aattcggcac gagcttacca aaagtatcta atggcccaat gccttcaaac caagtttttt 60
caattactat attttaagtt atacattcaa gttaaaatat acctaggaca ttctgattat 120
agcctaggct ttagttctat ccagagaaca agaaaaactt tttgaaaag gtaaggaatc 180
gateccatac ctgatcagga cccataggca tgccagacat gggcatgggg ttcatgttca 240
tctgtcccat gtgaccactg ctgccattca tgtgcacat actatacact gcaggattnc 300
cctggtgggc aaacttgctg ctgggggaaag gagtttaagt aaacaaatgg tatattacct 360
ntggagcact tagng 375

<210> 958

626

<211> 557

<212> DNA

<213> Homo sapiens

<400> 958

```
cagcagacaa gaatgagatt ttgttttctg aattcaacat caactataat aatgagctgc 60
cgatgtatag gaaagggact gtgttgatat ggcagaaggt ggatgaagtg atgacaaaag 120
aaattaagct gccaacagaa atggaaggaa aaaagatggc agtgaccccg accaggacaa 180
agccagtgcc cttgcactgc gatatcatcg gggatgcttt ctggaaggaa catccagaga 240
ttctagatga agacagctga cccttttgcg cttcagttct ggtgtgctta accatgcaag 300
ccctcccacc tcccagggtc ccttgcccta ggtggctgta gcatccctac caccaggac 360
actggtgcga atgacacaac tcaagttggg aggggaacag ggaaggaagg gatggatggg 420
ggtggtgtat cttactctgt ttaagcagaa caccttgttt gcggtgttgg aacatgggtc 480
ctttggcaga agtgcttttt ttttaatcgc agtactattt ttataaagcm agaactattc 540
catgccctgg gggatga                                     557
```

<210> 959

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<400> 959

```
ggcacaggaa tgacttcaaa ggggtgtgag ccaggcctct tcccacacca gacttcatga 60
accatgcctg gtattgtgca tgtttttgtg agcagccgtg aatagggctg ggggagagag 120
atgttcagcc aagaaagtct aaaatagaaa gggaaatgtt agttataaca aaacaaattt 180
ttgtaattag agtgctgggt tgtgctcagc atcattgggg ttaaagtgtg agcagtggct 240
tacacttgta atcccagcac tttggggaaa ctgnngtggt gcggatccct tgaggtccag 300
gagttcgagg ccaccctggg gcaacatggt ggaactccca tcttct 346
```

<210> 960

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

627

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<400> 960

```
gntnaaatcc ctncccaagg tatgtaatca gaatcccatc atgaggcaca cccaaatgag 60
ggacattcta caaaataact accttgcaat cttcatagag tgaagattat gaaagtcaag 120
gaataatgag gaactgttcc agactgaggg aaagaaaata tttgacaagc agatgggtatt 180
cgtgcttctg aactgaattc ttttgctcta ataaaagaca ttttgggcac agttttctga 240
ttctgatgaw tgkawtgkga wtatgtaaga gaawgtagga aaagkattca ggggtagtgt 300
gggacaggtc agcaactcac tctgaaatgg ttcaggaaaa tcagttcttt atgctgtatt 360
ttcaatcctt gtataaattc gtgtttgttt caaagattaa aaaaagarar aaaatggagg 420
ggaaaatacc tggtaggcaa atgaacaaaa gacatgaata ggcaattcat ttaaaaatta 480
aaatagggtct taaaatattt aaaaaaattc agcatcactg ataattagag aaatgcaaat 540
taaaactgca atgaaatatt ctcactctgtc atgagaaggt tgtggctgag ttaagagatt 600
ggcaaatccc caccaccctt gcccaaaagc aactgtaaat gccattctgt aaacaaaagg 660
aatcaaggaa cccttggtga tgtgactgat ttcagactgg ggcagataaa gtacaagctg 720
actcagaaaa gtgaagttgt gccagaaggn taaggaaagt gctcaaaaaa tgaa 774
```

<210> 961

<211> 901

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (774)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (831)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (867)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (888)

<223> n equals a,t,g, or c

<400> 961

```
ggcacgagct tagtaccaaa tcctctgttt gggattgagc gctgctcctg gttaatcatt 60
cctactacaa aaaaaaataa ctcccagggc tagttaaat gtaaaccaag gctcagcagt 120
```

628

```

ctcacaacac atggaccaga ggtgacacac agccatttcc tttgccatgt ggcccagttg 180
ctgctgccat gcctccattt ccacactgga tgcctacggc agtgagattt cactgccggg 240
gtaagagttc agcctggatg attttatagc tctgttccta gcacttctca tcctccttcc 300
agcccagaat cagcgggtcat tctgcatatt cccaccaacc ctctaccccc aaacacttca 360
gtgtacctca ttttaagagt tgctgatccc tgattctagg acgtttttac ccatagttct 420
tgtctttcca aaatctgaaa ttcttttttt tgctcagaac tgggtagcca agggttattt 480
tattttttatc tttaaaataa tcaaggcagt cgctagagtt tctccttgtg aatagatcac 540
tctagcattt taatgaaaaa gaaaaaaatc tttctggggg atgttgatc atagtaatgg 600
ctcagtaacc acatattttg tcctttccat gtcactgatt ccttcatatg agactatttg 660
gcttgactac cctgtatatt gtgtagaaat caaagttctt atctgtacat ttctgggtcca 720
atacctgtct tattagttgt ccttccccac taaagtttgc aaaacagaaa atgntactat 780
ttctgggtat ttaatgacaa tgaaagggtt gggtcattt tcatagtga ntaaccgata 840
aggagggggg ctcaagggtg cttttgnggt tcttctaagc tttggtcntg gattttaaga 900
c 901

```

<210> 962

<211> 1452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<400> 962

```

cangnggaa gcttaagacc aacttttgtt tgagtacaca agtgatattt acattttcat 60
atactagtga tatgcctgtt gcatacttgg caaaaataaaa ctgagattcc gtctcaaaaa 120
aaaaaagaaa aggaaaaaaa aatagcatta tacctcttcc ttgtctcaac cgccatgaaa 180
attctgaaca ctccaaattc agttgaataa tccaaaacaa aatttataag tataaaataa 240
ttttacttct tatagtaata gtatacttta aaaagcctca ggggtatatta tcttctaaac 300
agctacaatt cagtgagct acattaacca actatgttct ctagttgaga acaactaggc 360
ctatttccact gctgtgtagc ctcagtgcct aacatgggtg ccaaataaat attcgtagaa 420
ttacactgaa ttgtaaaaac cattcgtttt tgtttacaat tgccaaaaat ctcaaaaaggc 480
cctgtattta tgtaattctt tgaaattatt attttatttt gatttctcag ttattgactg 540
gctgggtgtg acttagtaca taagtactca atattataaa aacctcaaat aattgacttg 600
attttacaca acatccttcc cttttctaca agttaatttt tttacaaatc atttgggtta 660
tctcctaaat aggttatatt ttattgttct tagaaacaat gtttcaaat atatgtgcat 720
tatcagtaat aatttgtata aatatttccc acaacaattt tcataatttt caaagactaa 780
tttcttgact gaagatattt tgctagggaa gtgaaacttt aaaattttgt agattttaaa 840
aaatattgtt gaatgggtgc atgcaaagga tttatatagt gtgctccac taactgtgta 900
cagatcagga cacatatttt tagacatcta agtctgtagc ttaaatggag gttactcttc 960
catcatctag aattgtttac ttagtaattg ttgtttcttt tattattata gacttactat 1020
cagttttatt ttgccaaagta tgcaacaggy atatcactag tatatgaaaa tgtaaatac 1080
acttggttac tcaaacaaaa gttggtctta agcttccacc ttgagcagcc ttggaaacct 1140
aacctgcctc ttttagcata atcacatttt ctaaagtatt ttctttgttc ctgaaaaagt 1200

```

629

```

gatttgtatt agttttacat ttgttttttg gaagattata tttgtatatg tatcatcata 1260
aaatatattaa ataaaaagta tcttttagagt gaccctttcc ccatagattt ttatttctct 1320
attatatattt acaaggaata taactcagtt tgtagggag agtgccttaa aggcagggtgt 1380
ttcttggact ttgttattta attagatctg cttgcaataa aaaaagttat cggttaaaaa 1440
aaaaaaaaaa aa 1452

```

<210> 963

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<400> 963

```

tgaatttttt atttctgatt tcatgttttt aatatccaat taactcctta ttttggtaat 60
gtttcttttt tatagtattc caatcagtcg gcattcactt aaaaaaaaaa aacagaaata 120
actccagata ttttaagcaa aaagggattt ggtggaagg gttgactata gtaatgtcag 180
gaaggctggg tgagccaaag agaagaggat gctgcccaa gatcaggaag ctcccagtgc 240
ccacccccac tgctgctctg ctggaagcat agccctgcc ccattgcatt gaactgtacc 300
actgccgctg agcaaagtca ggatcccaa ctctgaccat tgtatcatgc ccggctggct 360
ctgcaatgtc attttgatgt gtcttcagta tggatttttt ttttttttt tctgagtcaa 420
nan 423

```

<210> 964

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (698)

<223> n equals a,t,g, or c

630

<220>

<221> misc feature

<222> (706)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (737)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (740)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (762)

<223> n equals a,t,g, or c

<400> 964

```

taagctggta cgctgcagg taccgggccg gaattcccg gtgcaccac gcgtccgaa 60
aatgcattca gaatttcag agtcagggtga aaagctttgg ccatgattgg ccttggcatt 120
ggttggtgctg gacagcggga ccaggcgccc cttacctgg ctccccctc ccaggagccc 180
ggtgatgctg cgaaggctgt gaacagggga ggcggcactg tgggggctgc cggcagccgg 240
ggctggggag agacatgtgg acacgtggcc tctatggctc ccgcctgcca gatcctccgc 300
tgggccctcg ccctggggct gggcctcatg ttcgagggtca cgcacgcctt ccggtctcaa 360
ggtaggggaa gtctggtggt ggcggtgggg agggagcgaa aaatgtaaga gaccagttgg 420
gctccaacag aaagaggcat cagggggctg ggatgggggt caatggggga aggccctggg 480
gtcaataggc gggagccttg cagccaactc cctggatttc gggggtcaag tgaggccagc 540
atcacttgct ccagcagcct aacagccagg acacaggggt ccaataagac cagggcccac 600
cccargcctn tgacccttac ccacagatga rttctgtcca gtctggaaaa gctatgagat 660
cgnctttccc amccgcgtgg accacaacgg ggcactgntk gccttnttgg caacttcttc 720
ccggaagcag cggccgnggn accggggggc cacaggccaa tnccggcttt ttttacaaag 786
gggctt

```

<210> 965

<211> 1340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 965

```

ggtccantaa aagagaggag gtttggagcg gtggcctgtg gagttgctat ggagctgtat 60
gtgtttgggg gagtccgaag tcgtgaggac gccagggtga gcgagatggt aacttgcaag 120
tccgagttct accatgatga gtttaaaagg tggatctatc ttaacgacca gaatttatgc 180
atccccgcca gttcctcttt tgtttatgga gctgtacctt taggagccag tatttatggt 240

```


631

```

attggagatc ttgatacagg taccaattac gactacgtgc gtgagtttaa aagaagcaca 300
ggaacctggc accasastaa accactcctt ccaccgacc ttcgccgtac aggatgtgca 360
gccttacgca ttgcgaattg caagcttttc cgcctgcagc ttcagcaagg cttattccgt 420
attcgtgttc attccccctg aggaggaagc agagcagagt gcgagatcct gacccaagag 480
caccataaca tagctccgaa agggagagca gagatggcag ctgaaactca ctctgtgctg 540
ggcttttggt tggtaactct ttggtggttt tatgatgctt acaaacttga gctttactcc 600
ttgtttggga gaacacgtaa ctggtgaaaa actacctggg aggagtgagt tcctccagtt 660
aaatgtggct gtagatgttg gaggctaagg aggctagtaa atatcaaaag gaaaagggag 720
tggaattgct tatcatgtaa aatatcaaag ttaaaatact aagggtgcatt ttccctgaag 780
ggaactcagt ctgactgctg tattcaaata cgtagctttg gtaacaaaca aaatccgtat 840
atgcaaatca acatatccaa acatgccaag actgcttttc cactgcactt ggaaggatat 900
attatgccta agcctgcccc acaaattaag gtttgtgcct aaaatgttag attggactgt 960
atgccagtta gtctccattt attcctagta ctctgtccta agaactcttt taaaactata 1020
tcatgatgaa tagaaatgaa gataaaattg ctcttttgta actttatctt agtaatgtaa 1080
agattcagta aattgatgag tcaggttgca gccctcatgt gaactgaaag aagttgctcg 1140
cttctgtgtt gacttagatc aagacacgtc acgcacctt tctggggtag tacctgtgga 1200
gccgggaagg gtctcctgca gtgccattct gccttctcaa tgagcaaaac cattttctaa 1260
gtatgaggat attagtgagt aggagatttt ataaaagaaa gacctgagtc agacaaataa 1320
taaaggctctg ctgtggctaa 1340

```

<210> 966

<211> 884

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (771)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (796)

<223> n equals a,t,g, or c

<400> 966

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aggggtttat aggcaagaga cctgcaccc aacctagagt tgcctttttt aagcaaagca 60
gtttctagtt aatgtancat cttggacttt ggggcgtcat tcttaagctt gttgtgcccg 120
gtaaccatgg tcctcttgct ctgattaacc cttccttcaa tgggcttctt caccagaca 180
ccaaggtatg agatggccct gccaaagtgtc ggcctctcct gttaaacaaa aacattctaa 240
agccattgtt cttgcttcat ggacaagagg cagccagaga gagtgccagg gtgccctggt 300
ctgagctggc atccccatgt cttctgtgtc cgagggcagc atggtttctc gtgcagtgtc 360
cagacacagc ctgccctagt cctaccagct cacagcagca cctgctctcc ttggcagcta 420
tggccatgac aacccagag aagcagcttc agggaccgag tcagattctg ttttgtctac 480
atgcctctgc cgggtgccgg tattgaggca cccaggagc tgttactggc gtggaaatag 540
gtgatgctgc tacctctgct gctgcactca cagccacact tgatacacga tgacaccttg 600

```

632

```
cttgtttggg aacatctaaa catctagtag atgacttgca ggctgttggc taccagtttc 660
ctgtctgagg tgtatatgtt aacttcgtga tcagtttgta tgtttgggac tcttgtccta 720
tgtaaaagtta aggtgggccc ggtgcagtgg ctcacgcctg taatcctaac nctgggagggc 780
cgaggcgggt ggatcncctg atggtgaaac ctcactctta cttgaaaata caaaaattag 840
ctgagtgggtg aaaaaaaaaa aaaaaaaaaa aaaactcgag gggg 884
```

<210> 967

<211> 1632

<212> DNA

<213> Homo sapiens

<400> 967

```
aaattgaaac ttctaataaa aatgatatga ctatagatat attacatgct gatggtgaaa 60
gacctaatgt tctagaaaac ctagacaact caaaggaaaa gactgttggg tcagaagcag 120
caaaaactga agatacagtt ctctgcagca gtgatacaga tgaggagtgt ttaatcattk 180
wtacagaatg taaaaataat agtgatggaa agacagctgt tgtgggttct aacttaagtt 240
ccagaccagc tagtccaaat tcttcctcag gacaggcttc tgtaggaaac cagactaata 300
ctgcttgtwg tcctgaagag tcatgtgttt taaaaaaacc tatcaaacga gtatataaaa 360
aatttgatcc agttggagag attttaaaaa tgcaggatga gctcttwaag ccaatttcca 420
gaaaagtacc agaattgcc ttaatgaatt tagaaaattc taaacagcct tctgtttctg 480
agcaattgtc tggtccttca gactcctcta gttggccgaa atctggatgg ccttctgcat 540
ttcagaagcc aaaaggacga ttgccatag aacttcagga ctatgttgaa gatacatcgg 600
aatacctagc tcctcaggaa ggaaattttg tttataagtt atttagcctg caagacctgt 660
tgttactcgt acgctgcagt gtccagagga tagagacaag accacgttct aaaaaacgga 720
agawwatyg aagacaattt ccagtttatg tactaccaa agtagagtat caagcttggt 780
atggagttag agctctgact gaaagtgaac tttgtcgctt atggactgaa agtttattgc 840
attccaacag ctcattttat gttgggcata tcgatgcatt tacttcaaaa ctttttctac 900
tggaagaaat tacctcagaa gaattaaaag aaaagctttc agcactcaag atttcaatt 960
tatttaacat cctccaacac attctaaaga aactaagtag cttgcaggag ggttcctact 1020
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ttactaggac agcatacaat ttgtataaaa cacattgcgg ctttcttggt gtacctcca 1140
gtctctcagt tccctgggtc ccattagatc ccagcctgtt attaccatat catatccatc 1200
atggaagaat accttgtagt tttccaccga aatcactgga taccacaaca caacaaaaga 1260
ttggtggaac gagaatgcct acacgcagcc acaggaatcc agtttccatg gaaacaaaaa 1320
gcagttgctt gctgtctcag caagttgaaa ctgaaggagt ggctccacat aaaagaaaaa 1380
taacttgagg actgtaccat ggaaaactaa atttaaaaaa acagttataa cagtgtttta 1440
tttagataag tttgagggaa aataatcagt aggcaagagg aacatttttc ctgtagtagc 1500
tagagtgcct tgaaaaaatg tgttggctat gtgaaggaa atttcaacta aaatggaatg 1560
gtatgctttt cacccttgaa gtttgaggag gatcttgata tgttttaaca ttatcatggc 1620
agggaatat at 1632
```

<210> 968

<211> 1592

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1581)

<223> n equals a,t,g, or c

633

<220>

<221> misc feature

<222> (1589)

<223> n equals a,t,g, or c

<400> 968

```
gctgtattcc cccttccagt tttttcttcc ccttttctta tttctttctt gctctctctt 60
ttcagccctt caggatttcc ctgctacttg ggttcttgtc ttgaaacttc cttacacttt 120
tactgttttt tttttacttc cctttttctt aatcttcac tctttcctca attttctttc 180
cttatcttcc ctacccttct tattatcttt ctgtttgtc catgtaattt cttctccctg 240
tttaccacct ctgaccttct tgtatttcct ttcgctccct ccctattact ccttcctttt 300
tcttgtcctt cagtttaatt atttcaaaca catcacacat aaggcctgtc attcccttga 360
tttctaattt atcttttcaa cctctaataa atttracaca garaatattt ccccatcac 420
tttgcctccc atctactcag atctatcaac ttctctgatg gttatttgaa agtttagtac 480
ttaaaaatgt gtcagattaa aacttgttta gaaacagcca gctagctgga gatgaaaaat 540
atataagagc ttatttgcaa ggtgggttaat acatgtataa atactacaga gttgactgta 600
tataggatat ttgtagatac attaagctat tctgttctct gcttcatctc ttagattggt 660
ggaacgagaa tgcctacacg cagccacagg aatccagttt ccatggaaac caaaagcagt 720
tgcttgccctg ctcagcaagt tgaaactgaa ggagtggctc cacataaaag aaaaataact 780
tgaggactgt accatggaaa actaaattta aaaaamcagt tataacagtg tttaatttag 840
gataagtttg agggaaaata atcagtaggc aagaggaaca tttttcctgt agtagctaga 900
gtgccttgaa aaaatgtgtt ggctatgtga aggaatattt caactaaaat ggaatggtat 960
gcttttcacc cttaaagttt gaggaggatc ttgatattgt ttaacattat catggcaggg 1020
aaatatataa agaagaaaaa tatttttaca ttaaaccctt tctaaaaatt gtaaatagaa 1080
aaataatttg gttttttatc aagaacaaca cttatcgta tgtatttgtt tagttatatt 1140
gccagtctgt tgcgactgac tcaaaaagtt aaatgttgcc actgctgaag atgattatga 1200
gcacgcgaaa ctttgtttct gaccattttt gacagttttt atatactcct ttaaaatgat 1260
gaatgttaca ggttaataaa gttaatacct ttaaaaactt ggtgaaattc cattacagaa 1320
gccaaaaata aaaactccct gcctctgaaa agtcagatta ctgacttctt gtttggcaac 1380
catcagtttg ttaataaaaa gaaaaaattt ggtggtataa catgtttgat gacagatgcc 1440
tctatctcta gattcaagct gagtggtgaa atacactgct gaaagcaaag agataggat 1500
gttttccaga aaaaaagtca gtgtcattgc tccagatgac aagggttaatg tggtaaagca 1560
taagcttttt tttttttttg naaggaganc tc 1592
```

<210> 969

<211> 1931

<212> DNA

<213> Homo sapiens

<400> 969

```
tttttttttt ttttttttgt attcttgcca gtacagtata tggtttttct accccaatta 60
catactgggt tttgtaccac atcactaaag gcccaaatac ttgaagatac aaaaccgtac 120
atgcaggctg gttgtctggg tagtcaatgg ctgatttgct tcaactgtct agtatgtatg 180
tgcagcctga aactggctcc ttaaaaggaa agccgggtca gtcactctga aaaaatgaca 240
tgtaaaagta aatcgataat tgttttgaga gacggtacat gttttaaagg ttggccttaa 300
gcttcagtaa cattgtcatt ttgtgacctt ttgttgctac acctgtacct taacctgaca 360
ggaattaact actgtttttt tgtggggcag aaagcaaaac ctggtgttgt gacttttatc 420
ctaattggtt ttaggcaagg ttagtgagaa gaaacacaaa ccagatgca tgcattgtgc 480
attattttgt agacaagcta ctttttcttc tgtcccttta acaaatttgc agcaattacc 540
ctccctttgg ggtctagagt gaaagctaatt ttgtgggtag atgagattgc agaagaatgg 600
atgtccatgg ctgtgaacac tgcacactgc acatccatct ccagtgtca cactgtgcag 660
```

634

```

ctaccactcc ctggctgcgt gccatgctgt cgggttgagc atttgacac ataaattcct 720
caggaagagt ttgcatgagc atcacctcgc aatattctgt actgaccaa caagggattt 780
gaacgttttt cagcacaaaa ggataacttc cgagtgggtg tctgtacgca tactagcaaa 840
ggtaatggtg atctagcaaa caaaattggt ttctgcagtt agaagtgagc aggagcactt 900
gtattatagt atttaaataa tcctgggttaa tctcttttta agccgagtaa cccctccaga 960
ttttgccttt ttattattga ggctggcttt attttcttct actttttttt ccgttttata 1020
gcagttaatt atttttgtga ttattatgca agaagcattg cccttgagtt aaactgttat 1080
tgtttcataa gcagctatta aaataactga gcattgtttt atgaacatac actaatctga 1140
gatactgaaa agcttttgca ctaaaaagca aaacaacctt cattagtgc tctagccatt 1200
gtttggatgt tttgagttga ttttttatgg tgccctcttt agcttggaat attacgttta 1260
ctttaatcca agtctaggcc ttttaaaggg tccttaaaat taaagttcag aatgtgaatc 1320
cctttgacat ctattacagg tttataggac ctttttggtt gtgattactg ttttcaatac 1380
gattgtataa atgaagttaa ctttgtcaga agttaaaatg gaggtcatag gagttcctgg 1440
agaaatggct ctctgtttt tttcattacc ccaactgaag tcaccccagt ttctggccac 1500
aagaatatga gaaaggaacc ctgttggttt ccaagggaaa tcattcctct ctgtccccc 1560
tgttgattaa ctaaaagctt ggacaccttc ctctctccac tggccaagac ccaccttgac 1620
ccaccttgaa cctcttttca gagccgagtg gcatgaatat gtgtactgtt tctgcttctg 1680
ttgatggagt ggctgtggga gaattaaagg aaatgcta attgagcttca ttcatagggg 1740
aacctactat atattgcac cctgctggtt ggaaattatc ttcattctct gactgcattg 1800
tttagaaaaa tgtaaatggc ttacaattct gagaacttta ttgtgtggct ctgggggttaa 1860
gaattctgtg gtttgaaaaa aaataaatat tttgtattga ttcaaaaaaa aaaaaaaaaa 1920
aaaaaaaaa a 1931

```

<210> 970

<211> 743

<212> DNA

<213> Homo sapiens

<400> 970

```

tctaactgtg gagtggatta aggagatttg caaasgacaa agggakgaat tccttacttt 60
aatctgttat catttttctt atgtttccyt ctttgttcag aagcccagat gcatttttat 120
aactcagttt taaaaacttt aaaatagtta cttgacctt taggatgttc ttatcccacc 180
cataatgaga gttgaaaggg gatggatagc tgctcccat gcccttcca ctttttgga 240
taggccgtga ggggtgtgagg aagaaggctg tctttgttac ataaggacaa aattgtttgt 300
tttacataaa tttgtttaca ttttttgc taaatggctt tatgttaaca gaagcgagtt 360
gccaaactac ctgttgactt tttgaatttt ctgattgaat tacagactgc gaacaacggc 420
tttcagaatg agggacttcc atcagactct aatgataata gtagcacaaa ttgaaaactt 480
cccaaagctt ttcacagaat attttctcat aataaaatcc aagtgaacag ataattagaa 540
gaaacccttt tccttcaggg aaccaagcaa ctctatttta gtactgacat gcattatttt 600
cactgtgaat tcactttttt attgcatgtt cagatgtccc tctttgtttt ttttttttgt 660
aacattaact gcaatgatgt tcttcttgga attcatgaaa atataattaa aacacatttt 720
taaacaaaaa aaaaaaaaaa aaa 743

```

<210> 971

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

635

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (547)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<400> 971

```
cctggggaac caaagccac ccctagggga aaaccagggc aaacgggngg accccctagc 60
tggtatcngc cgncaaaatt gattgccttg cytggtggtg gggaaaaaac tcccacacat 120
ttggtcagag aagttttctg tctttattgt ggtgtgagag cagaggaaaa aagtttgttt 180
tttccgctca gactttgttt taaggaacag gggagaggga agttctgtgg ttttgaagt 240
tcttagatac gtgtgtgtag ctttgtgtgg cattatatat agcattatat tattttctac 300
ccttatctac tcatacagaa attgcacagt aaaaacatca aagtttattc ataaaatgtg 360
gatctattgc agtcactaaa aatgttgacg aacagatttt aatgactgaa agtgttcatg 420
ataatatatt caatgaaaat atgggttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa aaaaaaaaaa 540
aaaananaaa aaaaaaaaaa anaaaaaa 567
```

<210> 972

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

636

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<400> 972

```

agtgagaact aaacggggaa tacagatagc agagattaaa taggctataa gaaaaaaaaaag 60
ggatgataat aagaccatgg tagtacataa aaaattttaa tgatctgggt aaatacattt 120
ttaaaaactt actaagtgcc cagtgcggtg gtcaggcct gcaatcccag cactttggga 180
ggctgaggtg ggtgggtcac ttgaggccag gagtttgaga acagcctggc caacatggcg 240
aaaccccgtc tctactataa ntacaaaatt taaccaggcg tgggtgggtggg cacctgtagt 300
cccagcttac ttgggagact tgagccatga ggaatcactt gancccagtt gggtgggagn 360
tttggg                                     366

```

<210> 973

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<400> 973

```

gaacaggggg ttttgttttg ttttgaaaga acgtctctgt ctgtngccca ggctggagtg 60
tagtggcatg atctoggctc actgcagcct taacctctct gctcaaaca gccccctgcc 120
tctgcctacc aagtagctga gactacaggc acctaccacc gtgcctgtct aattttttaa 180
attttttata aagatgaggt ctctctttgt tgcccaggct ggtctcaaac tctaacctc 240
aagcaatctg cccacgtcgg gcttccaaag tgctgagatt ataggcgtga ccaccctgn 300
ccaattgtga tcgtttttcc caaagaatgt atcacatgct aacaaaccat atatttatgt 360
atttcattgt tcatagtaac tacaatttaa aaactaaaag aacaancagg c 411

```

<210> 974

<211> 943

<212> DNA

<213> Homo sapiens

637

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (933)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (937)

<223> n equals a,t,g, or c

<400> 974

```

gtttntgagg ttcagtctta aacatttgct ttaagaaaac agtcttgaat ttcacatgct 60
gctattttta tattttgcca ttttacagta ctgttttggt ttgaattcat gcatatcatt 120
gaaaatttct cgttttcatt ttcttagatg acttcttgct tgagacagaa aaatttccta 180
ctacagcagt gcagtccaga gggttaagatg tattagaatt atacaatatc agtttaaaaa 240
tctgtatgca taaagaatgc accactcaac ttttttattc ataagctaata attttttttaa 300
agttacatta agattttttc tcttttgagc ctacatttga aagtgataga ataaagagat 360
tttaatgagt tatcactttt tcagctgata tattcatttt aatggctttt ttgaaagttc 420
ctttttcatg aacacacccg agaaatctta aatagacact ttgcaatatt taagaacctta 480
atgctgttta attttggtac agcttcacac ttgcatgttc acttttagtat ttgcaatttg 540
atatatttca tgggtggcaa atattagctc tgttttgga catttttaaa tagaactatc 600
ctgttgcgat agcataggaa aatgttctgg tgattgtcag ggtctcctaa tatttatctc 660
aattctttta taagtctatg gaaattattt aattatttta aaacgtacac acttttcttg 720
taaatatgtc acatctgagt tcaaaaaaat tactttgaat accttaatat ttgctgcatt 780
ttttccgta tatataacat gtcttctttc agaatgggaa tatatgtgtg cctcccaaca 840
tttactgtta aagtgtgtta tcttttatatg tcaaactggg tgaacactgt aatgagaata 900
aactgcacag agtttaaaaa aaaaaaaaaa aancccnngg ggg 943

```

<210> 975

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (703)

<223> n equals a,t,g, or c

<400> 975

```

gccctgatca acatgagatg accgccgtgt ggtaaactga tgaaccccgaa cctgatgaa 60
catgagatga ccgccgtgtg gtaaactgat gaaccccgac cctgatcaac atgagatgac 120
cgccgtgtgg taaactgatg aaccccgacc ctgatcaaca tgagatgacc gccgtgtgg 180
aaactgatga accctgaccc attaggcttt ggctacagaa tgtggaaata agttgtgtta 240
ctacatgtgt gtaatcctag ggtgcaggac accggccggg aggttcata gagtgatggg 300
ttctgcagg aactcactct ctagtcctct gtaagctcct agaaggaaga aattatgtcc 360
tttagactaa taaaattcct ccaaaccaaa tacagcacct actgtgaaga cacaagata 420

```

638

cttttagaat agtaaaaact ttatccattg agaaattcct taatgaaaca gtatccaaga 480
 agtcatttgc cagcagattt cttagagggtg cgataaagaa gaggacattg ccagtcgtca 540
 cagcagctgc aatagctcct ctctattgtt aaacagtggg atatcttgtg caggttttca 600
 gttgacaatc aatttttaaag attagtttcg gtcccatca atcaattatt tattaaccca 660
 tcaataaaaa tttaaatgct ctgtgaggta caatagctwt twnaaaaaaa aaaaaaaaa 719

<210> 976

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

<400> 976

tgtttcattt acagcagctt ttagaacgta agccagataa ttatatgaca ttatctcgtt 60
 tgattgatct cctaagaaga tgtggaaaac tcgaggatgt cccaagattt ttctcaatgg 120
 ctgagaaaacg taactccaga gcaaaatttg aaccaggatt tcagtattgt aaaggactgt 180
 atcttttgta cactggagan ncaaatgatg cccttcgaca ttttaataaa gctcggaaag 240
 atcgtgactg gggccaaaat gccctttata atatgataga gaatctgttt gaatccagat 300
 aatgaaactg ttggagggtga agtatttgaa aacctggatg gagacctggg taattcaact 360
 gagaagcaag aatctgtgca actggcagta agaacagcag aaaaacttct taaggaacta 420
 aaacctcaga ctgttcaggg tcacgtacag cttcgcataa tggaaaacta ttgggggggg 480

<210> 977

<211> 1994

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<400> 977

ctctgttctc tggaaatgcca tgatccatcc actgtgcaat atgactctga aaggggtagt 60
 atggtaccag ggggagtcca atataaatta taacacggat ctgtacaatt gcacattccc 120
 tgactcctc gaagactggc gtgaaacctt ccaccgtggt tcccaggggc agacggagcg 180
 tttcttccca tttggacttg tccagttatc ttcagatttg tctaagaaga nctcagacga 240
 tggatttccc cagatccgtt ggcatacaaac agcagacttc ggctatgtcc ccaacccaaa 300
 gatgcccaat actttcatgg ctgtagctat ggatctctgt gatagagact cgccttttgg 360
 cagcatccac cctcgagata aacagaactg tggcttatcg gctgcatttg gggggccgtg 420
 ctctggctta tggtgagaak aatttgacct ttgaaggacc actgcctgag aagatagaac 480
 tcttggctca caaggggctg ctcaatctca catattacca gcaaatccag gtgcagaaaa 540

639

```

aggacaacaa gatatttgag atctcctgtt gcagtgacca tcgatgcaag tggcttccag 600
cttctatgaa caccgtctcc acccagtccc tgaccctggc gatcgattct tgatcatggca 660
ctgtgggtgc tctccgctat gcttggacca crtggccttg tgaatataag cagtgtcccc 720
tataccaccc cagtagtgcc ctgccagccc ctcccttcat tgctttcatt acagaccagg 780
gtcctggaca tcagagcaat gttgctaaat gactgtttca gtatgatcag aacttagata 840
taaggatggg tccttcagat tttagcattt aggagtttca ataataacca ttgcttttaa 900
aggaaattaa tagaaagcct cattgaatgg ctttcagcta gcacatggct gtttctatat 960
tctgatgagc ccaggctyat aggtaacttg aaatgcttgc tttttgttcc ctagtgtggtc 1020
taagggtctg tattggacta attctgaact acagacaaat tggacctcaa tgatcatttat 1080
ttccctcata ttaatgggag tgaaatgtct aatacttttg ccccttttta tccagagtgtg 1140
tgggatctca ggattggaag agattttaaa ggccacatag gccagctagt gttcatgtgt 1200
tctttataaa atttctccca tccaagtact aaccaggccc gacctgtctt agcttccgag 1260
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gacaggtggt tactgaatct ctctatgaac tttccattca aaactttcca agtttttcct 1380
tatgtggaac cgaaatcttt ctttctcccg tgaaacttta ctactatcag ataattgaag 1440
acagatctct ttgtattctc ttcaagccca aaccaattct gtcccttcaa tctaaatagt 1500
ggtaatatga atgtttaaga aatgaaataa gaaacatgtg caggcacttt ggaagggtgct 1560
aagtgactgc cctaaggaat gaaaagcaag ggccagggtg gagtagccca gcgaaggcac 1620
ttgggctgcc aggaacagga ggcgtgggaa actctggctt agggaaacat gaacacaggg 1680
gcaacagagg caaactgttg ttcgagttaa atataaatct caggctcttt aaaggtaaaa 1740
ggtttaagga taatccattt ggaagaagaa aagagtgagg ctgaaagtaa agccacatga 1800
caagcatata aaaaaaatg cagatgatac aaatatgaaa gaggccttca gtgtttgttt 1860
attaagaatc ttaatgcagt ttactgatgg attaaaaaca gctaacattg tctgaaaatt 1920
atgttaccta taagaagttg gaaataaata aaagcataat cactaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaa                                     1994

```

<210> 978

<211> 611

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<400> 978

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tcgtcctgcc tctgctcccc aaagtgtggt gcctgagaca ccacaccag cctaaactaa 60
aagccatttt tagtaactcc caccaatgtg gttactgtta caaantnta tggttcctgg 120
gtcatatttg gtatcaraat gtgtatgtat atccttataa atatggaatg tagaactgat 180
aatagtttac ctatcagatt tgcaaaaata aggaaagatt tttagcagct tgtaacaaac 240

```

640

```

atatacatatc ttggataaat aatttagaat ttttaaccna tggctcatat gctcttaca 300
tattctctttt gagggtaaaa catactttat tcttaaactt aaagaacctt tgataagccg 360
tgaattatga tctcagtgac tacatttctt tttaggagtt atatgtgggg gaaggaaaga 420
agtagctagc agggttaaca tggaaagcag gagattatag acaagcatca tttgagcctt 480
tggatactac aaataatctt caaaaatgac aggttttttg gctttttgtt tttcctttcc 540
tttagtgcta gttgcagaat cctatcatat tgtggttaga tttcaataaa gaatgtttaa 600
gattaaaaaa a 611

```

<210> 979

<211> 2497

<212> DNA

<213> Homo sapiens

<400> 979

```

gaattcccgg cgctgaggtc ggaacgtytg cgtgtgtgcg ggctgggttt gtggcggtcg 60
ctgctagagc tggagcattt gccggtcagt ataaaagatt aaactctaca gaagaatgca 120
atcaagtgat ggcttttctt ttagaatttg aatatggagg ctacaggaac agatgaagtt 180
gacaagctaa aaaccaaatt tatatctgct tggaaacaaca tgaaatatag ttgggtgttg 240
aaaacaaaga cgtatttttag tagaaattct cctgtattat tgcttggaat atgttaccat 300
tttaaataatg aagatgaaga taaaacgtta cctgcagagt cgggatgtac aatagaggat 360
cacgtaattg caggaaatgt agaagaattt cgtaaagatt tcatttctag aatatggctg 420
acctacaggg aagaattccc tcaaatagaa ggctcagctt tgacaacaga ctgtgggtgg 480
ggctgcacat tgagaactgg ccagatgctc ttggctcaag gactcactac acactttctt 540
ggtagagctt ggacctggcc tgatgctttg aatattgaaa attcagactc tgaatcatgg 600
acttcccaca ctgtcaaaaa atttactgca tcatttgaag catcacttcc aggggaaaga 660
gaattcaaaa cccaacaat ttctctgaag gaaacaattg ggaaatatc tgatgatcat 720
gaaatgcgaa atgaagttta tcataggaaa atcatctctt ggtttggtga ttcccccttg 780
gctctttttg gcttacatca actaatagaa tatggaaaga agtctgggaa aaaagcagga 840
gatttggtatg gaccagctgt ggttgctcac attttaagaa aagcagttga agaagcaagg 900
catcctgatt tacaaggaat aactatttat gttgcacaag attgtacagt tcctgttaga 960
cttgggtggag aaagaaccaa caccgactac ttagaatttg tgaagggtat ttttagcctg 1020
gaatattgtg tgggtattat tgggtggcaa cctaaacagt catattactt tgctggattt 1080
caagatgaca gtttgattta catggatcct cattactgcc aatcttttgt agatgtcagc 1140
ataaaggatt tccctcttga gacattccac tgcccttctc ccaraaagat gtcttttcga 1200
aaaatggatc ccagctgtac aataggattt tactgtcgaa atgttcagga cttcaaacga 1260
gcttctgaag aaatcaccaa gatgctgaaa ttttcttcta aggagaaata tcccttattt 1320
acttttgtaa atggctcattc cagagactat gattttacat ctactacaac caatgaagaa 1380
gacctttttt cagaggatga aaagaaacaa ttaaaaagat ttagcacgga agagtgtgtc 1440
ttgcttttaa gattagcaca tttgtgcttg ataagaagaa ttccattgaa aggggaaaaa 1500
tgaagagaaa caagtatatc tgaaatgttt attttcacaa atatcttaat tttatatgtt 1560
ctttaaaaaa gaacatttga aaatataaca gttaaagata tttttctaaa agagaaatga 1620
tttaatgaat cttgctttct aataaataaa ttgagtgaat ctgggtgcat tcctatttcc 1680
ctaagatcta ctagtataa ttctacctta actgtaagcc ttttagtctt caaagtcttc 1740
cacctgagcc cattgttctc atggagggtt tgtgatatta accctcccc aaagactggg 1800
atcaccaaat agtttcaaaa ttctcagttt gtactraaga ccagaagatc agagaaggaa 1860
actttaatgc tgtctagcct cctgctatta atgcaatcaa agaatacttt tgcataatgtc 1920
ttgataatta aatagtattt gttaactgkg atatgcatac acttatataa gcagaattat 1980
gagttaaagt aatacttrgc aatatgattt tataatggct cctcattatg cttgctgttg 2040
aaccttttat gaggagtga tataaagtat tgggtttccc tcacaaattt aaagattatg 2100
ttattaatac tattataact gcatcaatca agtcagataa aggcaactat aaaatagtag 2160
tagtggttgt ttctatctc aagggcgaaa ttttatggga actcaattta ttatgcagtt 2220

```

641

```

tttaagttta aaataccaag aaagatgtca ctagattctc ttctatgtga tttttgtttt 2280
ttatataaag cagtgtagtgt gtgttttagaa gctgaggcca cctgtaaggc aaatctgcct 2340
taagtgtatt atgtgttact taaaggcaaa tttgtgatct aaaagtacaa gagtgttttt 2400
tgagctagga ttataaaata cataataaag atgtgagaag ataaaaaaaa aaaaaaaagg 2460
aattcgatat caagcttctc gataccgtcg acctcga 2497

```

<210> 980

<211> 652

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<400> 980

```

ggaaggagggt ttgttgttnc atcaatgttt gtgaaatgat ttccatacat aaaaaatgta 60
atttacctga actttgtctt aagactctta cattggatta taggataaca gataaataaa 120
ctgtatagat acattcagta tcatacaaca ttttggaaatg tgtatgcttt caggcttcca 180
agataattaa attactgtca tgatacattt catgcatttt ttatgacttc agtataaaac 240
attcagggtgt gtttagccttc cctgggaagg gtaaacttgt atgtgctttg gtaaagtact 300
taaattccaa tgtyccctat agtgcttgca ttcattttgt gaaaagtttt gttgtattgt 360
tagaacaatt ttcaaaggct gattttatgc cttatctgat agaaatatag aatagatagt 420
tctttaattg cttacttttt aaaagtaata taatatttaa gttgcatttt tattaatagt 480
aagattaaca ttaagtctg catttcttta aatgttttaa atgtttatag cattcaatgt 540
gtagttggwt ttacttgact aaaaattagc cttttaacgt ttatatttgk tgkatttata 600
tttaataaag gcatctaate ttwartaaaa aaaaaaggcg gccgtctaga gt 652

```

<210> 981

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<400> 981

```

ggagatatct tctaaaagtg aactggatga attgcaggaa gaggtattat ggccctgtcag 60
catccctgt gccctcmaaa ccttaggcct agaatgcgga gctgccaca taacattcac 120
ccttttgaac agatggagtc aggcacacta acacagcctt ctgtcctcaa taacacagcc 180
attattgcca cttgctcagt cgtcaatgta aaccctcaga gtcagctgaa ctatttttagg 240
ccaaacatac tgtttttgta aagtattttt cattaataaa tctataagac agttctattt 300
aaaaaaaaana aaaaaaaaaa aaa 323

```

<210> 982

<211> 403

<212> DNA

<213> Homo sapiens

642

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 982
tacaaggctt tggccgacca agtgtgtacc atgctgctat tgtcmkcttc cttgaattct 60
ttgcgtgggg cctkttgaca actccaatgt tgactgttct acatgaaaca ttttctcaac 120
acacattcct catgaatggt ctcatccaag gtgtaaaggg cctgctctct tttttgagtg 180
ccccactcat tgggtgccctg tctgatgtgt gggggaggaa gccctttctc ctcggsactg 240
tattctttam ctgsttcca atccactga tgaggatcag cccatgtttt ttaaaaaaga 300
aaacacatca gtggacgtga atgcaatgat gtcttatgaa tgctcacaca gaagcttcca 360
ttcgtgagga atgcanggaa aagcanaaga tggantaaga agt 403

<210> 983
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (707)
<223> n equals a,t,g, or c

<400> 983

643

```

ccaggcccta taancccggc accttgggga ggctgaggcn ggaagcacca cggagcccca 60
ggagttgggg acccggtggt gccacatagc magaccctgt ctatTTTTTTT aaaaaagtaa 120
aaaatagaaa ttatctcact acttaaatcc cattTTTTTtc acttcatatg aaagaacata 180
ttgatagtat attctatatt atttcataga tctgtctgaa agagattggg aacaaaaata 240
tctaattgag atattcttta attttttaca tagcagcttt atttttttta ttctgtagta 300
tcagcgaaat cagtcatggt tataccttga atataaatat caggaatcat gcaattattt 360
ctactatgta tttagtagta tcttatattt gtataacatt attacatttt gcaaattagt 420
atcacaaactg ctaagtagat gtttctgagt attagaaaaa tcagtgttat tacctgcagg 480
atattaaaaa acatttgaaa aagagaaaaa gaaaaatcag tgtttagaaa tgttgatagt 540
tattgaatct ttgaattgaa ttttaaaaat ccattctagt aatcagagta tactTTTTTtt 600
atagaacaag gtggcagggt gggagccctt tacccttctg gtgaagttaa accataggaa 660
gtttacaatt tgsctnttca caaacmttag cagtccsggg catggtnggc tkragcctgt 720
gratycccrq catgttgggg aggcccgagt tggggagggt tgcctgag 768

```

<210> 984

<211> 134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<400> 984

```

cctgatatac aaatacaact atacaaaatt acaaaacata gtttgkatga aaaccaaaaa 60
tttagtcctt aacatttgac ttgcactggt gccattgcac ttcatgcagc ttataggcac 120
ctttccaggg naag 134

```

<210> 985

<211> 1134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1127)

<223> n equals a,t,g, or c

<400> 985

```

gtcggacaaa gccctcgcgt cggacccttg ccagaactca attaatggat gcctcgaagt 60
tgacgtacat atatattcag aaatgttttg ccacctgaga cctatgagga ggttatgtct 120
agagaagata tttccacact ggtttccctt ttcaagagct ttatcgggag ctgaagcagt 180
caatgccttg aggcttttct attttgcagt acatccagat ttctttggac agcaccctgt 240
agaaagggat gatacatgga agagttttca atgccctagt gatTTTTTct tatgatgcat 300
gctgctggac cactccccta caacatcagt taatgtgtgc tccaggaata caaactgata 360

```

644

```

tgaaaaatga cttatggtag atgtagtta gacagtcaat atattttaac attagaaaat 420
acagtcagtc cttcatatcc atgggtttta catccatgga ttcaaccaac ctcagactga 480
aaatattagg ggaaaaaaat acatctgtac tacacatgaa caaacttctc tttcttgtca 540
ttattccctg aacaacacag gataacaact acttacatag cacttacatt atattagata 600
ttataagtaa tctagaaatg acttaaagta tatgggagga tacacatagg ttatttgcaa 660
atactacact attttatatg agagacttga gcattcgagc atttcggtat ccacgggagg 720
tcctggaacc aatcccctat ggataccaag ggactgctat gtattacaaa gccacatgct 780
ttggaattac ttcagtgttc cttctatattt cattaacact gatattctagt ttaatatgaa 840
aaggaaacttg aaatcttgaa aattagaaca tcgttatattt tttctacttg caatggaaaa 900
tctatttttg ttttttgctt ctaggaaaat attckgatta tgatatgtga tatgttggct 960
actcaaagtc agaacttttc aaagtaatca gtaaattgra tcaacagaaa aatattcatt 1020
aactcgggga tgcawtaata aagtttttaa attcaaatg tatagaaaaa tcaagcttag 1080
taatacttta atattattct accaatgtat ttttttttan gttaaangac ttcc 1134

```

<210> 986

<211> 747

<212> DNA

<213> Homo sapiens

<400> 986

```

ataaatattt gtgagcgagt tgtagaaccc mttcmagrat ggcaattttt gaactagttt 60
ctaaacmaag ggrattgtat cttcamcaga aaatattatg tgagctttct gggcatatkg 120
atctttttgt agatgtgaat aagcatctct ttgatggaga agtgtgtgcc atcaatcact 180
ttgtcaagtt gctaaaggat ataataatct gtttcttaaa tatcagagct aaaaatggtg 240
cacagaatcc tttaaaacat cattcagaga gaactgatat gaaaacttta tcaaggaaac 300
actggtcatc tgtacaggat tataaatgtt caagttttgc taataccagt agtaaattca 360
ggcatttgct aagtaacgat ggatatccat tcaaatgaga gacctaaaat atattaacat 420
tttaattaag aatacttgat caacattttt tgaagttcaa tttaccatat tttataaatt 480
gcgcatctct cacagtggac aagtttgcaa ttctgactta ttaaaatttc aaattctgca 540
tatcacaaaa tctccttata cttttggtat ggcttgcagc atttatgagt tttccaaaat 600
atagaaagca gtaggtcagt aggagcaaac tagccaacag gtactgtctt tgaatttact 660
actgtaagac taagcagtg tactggacac agttttaact tgtkcaatct gcttcaaaaa 720
caagaaaaac aacaactatg agttatc 747

```

<210> 987

<211> 610

<212> DNA

<213> Homo sapiens

<400> 987

```

ggcacgaggg aaatctagac ctccaagtgt atgcagcaga gtctcctcca tcttgaaaca 60
aacaaaacat taggtcctctg ttgtatcttg gtttagtaac aggcccttaa ttaacttatt 120
tgtacatgag tcttcagag aacactgttt tatattaact ttcagttgaa atctttcaga 180
tattttgaat ctctgaacaa ccattgtcag ttgtgaatga tggtaaattt tttggcatca 240
agtctcataa ccccaactga tagaactgtt gcttatctgt cttccttaag tatttttttag 300
ggttttgttt ttttttttgt ttgtttgttt gtttgtcttc acttttcccc caggctctgt 360
gagctgtatg agattcattc atacttcatt tattcattca actaatattt gttgaacact 420
tacatgtacc agacattatt aagtgtctgg tatatggtaa tgaacagaat agacaaggcc 480
cctgcccttt taggggagac agatgagaag taaattmcgg gttatgagaa atgttatgaa 540
ggaaaggmca acaacagaca tgtcttagtc taggggtacat ggctttatag gaaagtaaca 600
ttctctatct 610

```

645

<210> 988
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 988
 ttgaaaattg atacaaacag aatcaggaca gaaaatgggt ccattttgcc cagtgttgta 60
 ccacaagaac acaacacctt gccagtatct caggcacctt ccaaaccaaa tctgacaagt 120
 gaacatactt catatggcct aattttaaca aaaccatacg tcagaccatt gcctcccagt 180
 taccttgatg aacggatatct taktatgcca aaacgcagaa aatttctgac tgatagagta 240
 katgcctgtt ctgatcaaga taacgtgtat aaaaaatcag tgaaaagatt aagatgtggc 300
 aaatgcctga ccacctactg taatgcagra gcacttgagg ctcattctgc acaaaagaaa 360
 tgtcagacac tctttgggat ttgattcaga tgat 394

<210> 989
 <211> 1481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (423)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1259)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1481)
 <223> n equals a,t,g, or c

<400> 989
 cgccgcccgt gcctttcctc ttctctctyc tctccttggt catccgcctc ttcttctctc 60
 tgcgtcctcc cccgtgcct ccgtgctcc cgacgcggag cccggagccc gcgccgagcc 120
 cctggcctcg cgttgccatg ctgccccggc ggccgctgtg aaggatggcg acgccgctgc 180
 ctccgcctc cccgcggcac ctgcccgtgc tgcggctgct gctctccggc ctgctcctcg 240
 gcgccgccct gcgtggagcc gccgcggcc acccgatgt agccgcctgt cccgggagcc 300
 tggactgtgc cctgaagagg cgggcaaggt gtcctcctgg tgcacatgcc tgtgggacct 360
 gccttcagcc cttccaggag gaccagcaag ggctctgtgt gccaggatg cgcggcctc 420
 cangsggggg cccgccccag cccagactgg aagatgagat tgacttctg gccaggagc 480
 ttgcccggaa ggagtctgga cactcaactc cgccctacc caaggaccga cagcggctcc 540
 cggagcctgc caccctgggc ttctcggcag ggggcagggg ctggakctgg gcctccctc 600
 cactccagga acccccacgc ccacgcccc cactccctg ggtccctg tgtcatccga 660
 cccggtgcac atgtcgcctc tggagcccc gggagggcaa ggccagggc tcgcccttgt 720
 gctgactctg gcgttctgtg tggccggtgc agccgcctc tccgtagcct cctctgtctg 780
 gtgcaggctg cagcgtgaga tccgcctgac tcagaaggcc gactacgcca ctgcgaaggc 840
 ccctggctca cctgcagctc cccggatctc gcctggggac cagcggctgg cacagagcgc 900

646

```

ggagatgtac cactaccagc accaacggca acagatgctg tgcctggagc ggcataaaga 960
gccacccaag gagctggaca cggcctcctc ggatgaggag aatgaggacg gagacttcac 1020
ggtgtacgag tgcccgggcc tggccccgac cggggaaatg gaggtgcgca accctctgtt 1080
cgaccacgcc gcactgtccg cggccctgcc ggccccagc tcaccgctcg cactgccatg 1140
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ggcctggagc ttcccactaa aaacatgttt tgatgctgtg tgcttttggc tgggcctyng 1260
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ctggtccctc gcacctctcc tgttyggttt agacccccaa actggagggg gcatggagaa 1380
ccgtagagcg caggaacggg tgggtaattc tagagacaaa agccaattaa agtccatttc 1440
agacctgaaa aaaaaaaraa aaaaaaaaaa aagggggggg n 1481

```

<210> 990

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<400> 990

```

ccacgcgtcc gcggaacgct ggtcncctgan cgttctgtgt ggccggtgca gccgccctct 60
ccgtagcctc cctctgctgg tgcaggctgc agcgtgagat ccgcctgact cagaaggccg 120
actacgccac tgcgaaggcc cctggctcac ctgcagctcc ccggatctcg cctggggacc 180
agcggctggc acagagcgcg gagatgtacc actaccagca ccaacggcaa cagatgctgt 240
gcctggagcg gnctgagggtg ggcygastgc ccacttccag actgggccac tggcacctcg 300
agggcatggg gaggacccag cgatcccccc ccacccaggc ataaagagcc acccaaggag 360
ctggacacgg ctccctcggat gaggagaatg aggacggaga cttcacgggtg tacga 415

```

<210> 991

<211> 1280

<212> DNA

<213> Homo sapiens

<400> 991

```

agcaccatct ggagtcttcc tgtagtggca aaaaagaaca gtgttgaaat tggaaaggac 60
tttgtgttat ttaggttggt agaattgagc ttaccaataa taagagccct gagcccagaa 120
aaaaggactg tatagtttaa agggaggatt gaaaggagg taaaaaatca gattagacca 180
gttcttggcc tatgataagt tccaaaaata ccatttatct actatttgaa aaaagaagag 240
gatatccctt cctacagtaa agggatatgtc agctacatga agttgtaaga aaagcttcca 300

```


647

```

gtagagcttc ttatattaaa gaagttgatg gatatttttg aatttctggt ttgcctgaat 360
ccacctgcag ttaccccgat ccgtttgcaa gaaccagatc gtacttgaaa ctatagtggc 420
cacactctgc cttcctgagt cccttcagat catgtgtgca tcatgtctct ttgccaaggg 480
aggggagaaa ggaactttta aactgcagtt ttaacttttt ctaagctggt tcttgatggg 540
agagggttctg tgcaaaacta ccacattctg tccccaaaat gtggaatgca tccaaatagg 600
agtcttctgc ctcttaactt aaaagaacat aggaattttg tttttgggtt ctttatcatg 660
ctacagagag tgaatacact ggaattcaga caccgactct gagctgctag gaacctcatt 720
tgtccatgtg caaacgctgt attccaaggc ctgtgaatgg cagcctgagg aagttttgca 780
tgcaggctgt gttttcgagc aggactaaca actgggaaat aagcaaaaaa ctgcatcgat 840
ccccagcctg gtgttggtct tccctatact tcacactgaa ctcaggatgg gaagaaaaag 900
gaaacaagct ttggcttttt ccatctcaaa agtattgtgg cacctcaaca tttcagtgtt 960
ttgcttttta aaaaatgcc tattgtaagt tgttggttta tactgtataa gtaacactag 1020
tagctgtttt gaataacata ggtgctcttc ctcatctcat ctctacacc gtggtgagca 1080
tacagagtgt cctgatttgt gttaagtgc tgagaagatg ttaattactt ttgaaaaagg 1140
atcatgggtt ttgctctact ttataatcaa gacaagtgtt tattaaaata ctgttttgga 1200
atgttggtctg taatgtaaca gcaattttca taataaaagg cattcatctt taaaaaaaaa 1260
aaaaaaaaaa aaaaaaaaaa                                     1280

```

<210> 992

<211> 1057

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (989)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (994)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1012)

<223> n equals a,t,g, or c

<400> 992

```

gctttatgac aaagaatata attgggagga tgaagtgtct taaaaattgt agagaccagc 60
tcactggaat gtttttccat ccctgtattc atggcttgac tttgtgactg ctctacactg 120
catgtctgac attgcagagt gagctatgtt gaggtaaact ggttggttgt cattattttg 180
caatcagcct ggtctctccc atgaagatgt cgtgtgcata agcacaatca tcactgatta 240
gaagatcaca gcagaatacc cttggattag agagaagttc gtaccttgca tttctctgaa 300
ttctagtctc tcataagcac tgctttgctg gatgattttc actgctttgt gttaatgact 360
ttgagcgatc tctcacatga tggggttctt tagtacatgg taacagccat gtcactttac 420
acacctagca ttgtgaatgc tgtagtgcata tcctttatag gcaccttaca gctcaaaact 480
tttgtttcat ttcattgcctt acttatcaaa aaggcaggaa agtaggtatg atctctaaag 540
taaaaaaaaa aaaaaaaaaa aaaacttttt atagaaagct cataaataat catgtcattt 600
tgcaattttg ttacccaaaat ttccccaag agttttcaaa tattagtctt gcaatgtggc 660
tatgaaatat gcactgaaat atacctttta atttgagaac cagtgggttag aataagctgt 720

```

648

```

gatataaagt attttcagtg tactttttaa ggaactataa ggccctccag cataaacgct 780
aaaagaatag atggtagcac aggccatgag ggctggggga gagaagcaga gtgaacctta 840
gaaagatggc tcagctatct ggagcactgg atattttact gaagttatct actgaggcac 900
catcactgtt ttgactgtac agtatagttt ttcataaatt tcatcacatt tactttgttc 960
agaatctggg cttgaatctt tgagttggnc aaangcctat ggtttctttt anaaagtttc 1020
atcttgagct aatgctacag tttaaataaa atgtatg 1057

```

<210> 993

<211> 1095

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1043)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1058)

<223> n equals a,t,g, or c

<400> 993

```

cactcagctc tgggtggtcct gagcgtgggg accctcagct ccctgacact gccctgtctc 60
cacaggccca taacgacctg tgcgcacgta tkaggcaaag ctgctggcct tcgggatccc 120
tctggacaac gtgggcttca agcccttgga aacagctgtg atcggacaga cgctgggcca 180
gggccccgcg ggactggtgg gcaccccgac gtagctgccc ccctgggggg ccacagccca 240
gagaaccagc ctaggaacac tcgggatgac accccttacc acaccaagga cagcaagttt 300
tttagatttt atcatcagca aatgaaagct tttcacatgt tcttgccatc ctctttcctg 360
gctctgtgga ggagaaccac ctgcaggact ctcacccatg gtgtccctgt cgctcccttc 420
cctgggtgcc gcacgtccag cctgtgtcca ggccactacc ctgggtctac ctccgaccac 480
agtcggcggc accttctcag agtgccccgc ctcacctggg gggtggggca gtgcgcgctg 540
tgctgcctgt ctccgcgcca ctgttgctcc accgaatgga cagctttgca ggtgctggca 600
ctaacttcat tgacacctga gtcacagctg ccagtgaggga ttctccaggg ggccgggact 660
tcctaggaat gtggtgagcc aatgctccct gatgagcaca aagcccgctc tgttgagggc 720
tggttggttg cagccagcgt gcgggaaagg gcaggcagcc tcccgtgccc agtcttcgct 780
ctaactccct cggtagggtga tgtaggacca ggggcacgtg gaacttcttg gccttgctgg 840
tgatgggttaa aacaacctga gatggagagg ccaggagaga gtataagggg atagcagcaa 900
accacctatc tggccccaac acacctgaga gaattcagca gccagactg aggggtctgg 960
atggggtgaa ccttccgcac cagaggggaca ctccacagaa gccacagccc agtaagtcag 1020
gcgcttctgc ggcggctcca gtntgggggtg aggcagtnag gttaggccca gagagctgga 1080
gttggctcag atgaa 1095

```

<210> 994

<211> 378

<212> DNA

<213> Homo sapiens

<400> 994

```

ggcagcagct ggtctcgaac tcctgacctc aggtgattca tccatctcag cctcccaaag 60
tgctgggatt acaggcgtga gcactgcgct gggccaggta catttggtga tgcagtcttc 120

```

649

```

tttttaaata tttttaaaaa tattatttta aaaaatattt tgtagagaca agctttcact 180
atgtttccca ggctgggtctc gaacttctgg cctcaagcga ttcttttgcc tcagcctcca 240
aaactactgg gattacagca tgagccatca tgcccagcta tacagccttc taatttacta 300
aataacgttr atgtgcttga tcatgttccc tggaaaacag accctgagaa ggagatttgc 360
atgcaggaat atttatte 378

```

<210> 995

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<400> 995

```

tggaactccg ggacatccct ctgcgtcccc accctcccgga cccccaagct cctcaacgcc 60
gaagcgcccc cgaactgccg gaaggaatcc taaaaggagg cagtcttccc caggaagacc 120
caccaacctg gtctgaggaa gaagatgggg cctccgagcg agggaatgtg gtggtggaaa 180
cactccacag ggccccggctt cggggccagc ttccctctc cccaacccat gctgactctg 240
ccgggggaaag cccctgggag tcctcagggg aggaggaaga agagggggcct ctgttcttga 300
aagctggcca cacatccctg cgcccaatgc gggctgagga catgctcaga gagatccggg 360
aggagctggc cagccaaagg attgaggggg ccgangagcc ccggggacagc aggccacnga 420
agctgaatcg ggnccagctg 440

```

<210> 996

<211> 222

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<400> 996

```

gtgggttgat accccttcga attaccctta aaggacaaaa cggaccacag cggggggccg 60
ctctagamta gtggatcccc gggctgcaga attcggcaca gccagattgg gttccctttg 120
caaaacatcc cccttcctgg agatgatgat gccatcgaag cccggggccag ggctgacct 180
gcaggcacac acctggccag tggctctgag gtccccggga cn 222

```

650

<210> 997
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (769)
 <223> n equals a,t,g, or c

<400> 997
 gtgcagcatc aacgggaccc tgtaccagcc cggcgccgtg gtctcctcga gcctgtgcga 60
 aacctgcagg tgtgagctgc cgggtggccc cccatcggac gcgtttgtgg tcagctgtga 120
 gacccagatc tgcaacacac actgccctgt gggcttcgag taccaggagc agagcgggca 180
 gtgctgtggc acctgtgtgc aggtcgcttg tgtcaccaac accagcaaga gccccgcca 240
 cctcttctac cctggcgaga cctggtcaga cgcagggaac cactgtgtga cccaccagt 300
 tgagaagcac caggatgggc tegtgggtgg caccacgaag aaggcgtgcc ccccgctcar 360
 ctgttctctg gacgaggccc gcatgagcaa ggacggctgc tgccgcttct gcccgcygcc 420
 ccsgcccccg taccagaacc agtcgacctg tgctgtgtac cataggagcc tgatcatcca 480
 gcagcagggc tgcagctcct cggagcccgt gcgcctggct tactgccggg ggaactgtgg 540
 ggacagctct tccatgtact cgctcgaggg caacacggtg gagcacaggc gccagtgtg 600
 ccaggagctg cggacctcgc tgaggaatgt gacctgcac tgcaccgacg gctccagccg 660
 ggcccttcagc tacaccgagg tggaagagtg cggctgcatg ggccggcgst gccctgcgcc 720
 gggcgacacc cagcactcgg aggaggcgga acccgagccc agccaggang ca 772

<210> 998
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (429)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (510)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (548)
 <223> n equals a,t,g, or c

<400> 998
 ggatgttgga aactggctgt agagccgcag tggttcctga tattaaagaa atgttggtta 60
 aagctgtttt tcttacaccc tatgtgctt tgaaatttta aaagcattca ctttacacat 120
 ctgttttgcc tttttacaaa acttttttta aagagagccc tctgccacca aaatatgctt 180
 gacctcatca tcttgagatc actgctatca aaatatgttg tgtatatattt ttcctagct 240

651

aatttgtgtg tgtatataca ttctatataa ttgttttatt gtgtacaatt tgtgtaacta 300
ttatctgctt taaaggttta acagtacctt tttctgtcat taaatagtgt gcaaaagcat 360
gtgtagtaac tgcactatat gactgtctct ggtccagagc ataaatttct tcaactggtct 420
cctgtacang ggtctgcaaa cttttaagtt ggctagccta atacatattt ttagactttg 480
ctggtgatat ggtctcctgt cctaactacn ggaccctggt ttttttttaa gaacaaaaaa 540
cgccgcangc tt 552

<210> 999

<211> 681

<212> DNA

<213> Homo sapiens

<400> 999

aattcggcag aggcagtgga gcgcaacttg gtgcggggtg ccgaggtctg gctggatgag 60
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aacctcacc agcaaaggga gctgcgaaag aaactgaagt gcaaaagttt caaatggtac 180
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aatgtggctt tgggtaaatg catttccatt gaaaacacta cagtcattct ggaagactgc 300
gatgggagca aagagcttca acaatttaac tacacctggt taagacttat taaatgtgga 360
gaatggtgta tagcccccac ccctgataaa ggagccgtaa ggctgcaccc ttgtgataac 420
agaaacaaag ggctaaaatg gctgcataaa tcaacatcag tctttcatcc agaactgggtg 480
aatcacattg tttttgaaaa caatcagcaa ttattatgct tggaaggaaa tttttctcaa 540
aagatcctga aagtagctgc ctgtgaccca gtgaagccat atcaaaagtg gaaatttgaa 600
aaatattatg aagcctgaag tgtaactgat gtttttatat agtaaaccga ttaaatactg 660
tgaaaataaa aaaaaaaaaa a 681

<210> 1000

<211> 689

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (639)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (653)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (672)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (686)

<223> n equals a,t,g, or c

C

652

<400> 1000

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tgtgcatct cgtgagcct cctcacacgg ttcgtcgtct cgggttcgag cccagtggct 120
tagccactcg ccatggactc ccagaaagaa gctctacaga ggatcatttc aactctggca 180
aataaaaatg atgaaattca gaactttatt gatacactac atcatacact aaaaggagtt 240
caggaaaatt cgtccaacat actctcagag ttagatgaag aatttgatag tttatactct 300
atactggatg aagtaaaaga aagtatgatt aactgtatca agcaggaaca agctcgtaaa 360
tcccaagagt tacagagtca gattagtcaa tgtaataatg ccctggagaa ctctgaagaa 420
ctattagaat ttgcaacaag gtcattagat ataaaggaac ctgaagaatt ttcaaaggct 480
gccagacaga tcaaggatag agtcacaatg gcttcagcct ttcgcctttc tttgaaacca 540
aaggctcagt acaacatgac tcatttaatg gtggattttc cacaggaaag acagatgctg 600
caaactttga agttttttgc cagtcccaa arctccaana tagatccagt tanaattggt 660
tgggtgggca anataacttc ctgttncaa 689

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<210> 1001

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<400> 1001

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ggcataatgc tattgcacac ttagtaaaact acagtatagt ataaacgcaa cttacatgca 120
ctgggaaact gaaaaaatta tgtgacttgc tttattgaga tactcacttt attgtgggtg 180
cctgaaacca aaccgcagc acctgtgagc atgcctatat ttgatacaat aggaactata 240
ttgcaggtag taaaaaatga tgaatagtgt tagttcaaag cgatagatga tttgtatgtc 300
caaattaaag aaaagcatgt atgggaaaaa gattgtcatt tttatgtaaa trataaagtg 360
ctttctgaat tgtattttaa gaaaagaaga ttttataagt ccaaagaatc acttaataca 420
atgaataaag ggtaataatt taccactttt ggattacctt twatttaaga cataaatttt 480
tcaactcata agctwtttaa aawcttttca cttaaraaac ccggtggaaa atttggnnta 540
agg 543

```

<210> 1002

<211> 469

<212> DNA

<213> Homo sapiens

<400> 1002

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aacctttcca cactataaat gatatgacta ctgtttgggg tttctggggc cccatccgtg 60
tacgtatgtg gcattttccag gtatgactga gtgtgagaga catgtcagag gctcttcagt 120
gatttcttgc tattgaccga tgcttcactg tgccaaaaga gaaaaaaaat gttgggtttt 180
gtaattaaat tttttatata tttttgaaac ccgaattgaa aatgtttgcag gcaacgggct 240
acagctttat tagtggttct ctaactgtgg tctccttggg ccaagcaatt tctttaaagg 300
aaaagttgat tatgtatgtg gggtgccagg accactgcct tgaaagcaag tgtgattttt 360
atttttaata ttattttatt tgtgtctgtg tacatattca tgtataaatt ttatgaaacc 420
caagcatagt gcttattttt taataaaaaca actgacttaa aaaaaaaaaa 469

```

653

<210> 1003
 <211> 543
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (59)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (90)
 <223> n equals a,t,g, or c

<400> 1003
 ccgggaaaaac nttcaaawgt awscctaaag caactggaag graaaatgaa gcccamtgna 60
 gtgagtga aaactkgaa ggaaagtgg aarattccag agttccawtt cctatcctag 120
 gttaaatttg gagacatacc cagagcataa gttaagtaag taattgaaat attggagtgg 180
 agacttattt gtctaccgaa ttattgtttt ctttgtcgga catacaccta cactgcattc 240
 cctcaaagta aaatttaagt gtggctctgt gcctatgctc tccccagcgg aaagtgacca 300
 gaagagggtg gcagtttccc aggcctggcc catacagacc tccaacaggt gctcccctgt 360
 gctgttactc cttctgccaa ctggaagcag atggtgacca ggctctggag aaggcaaggc 420
 ctgaagatgg gagattccta agtggaggag aactgtgcct tactgaccta aatatccact 480
 cagtattgtt atgtgagaat aaataaactt gtgttgaccg tttaaaaaaa aaaaaaaaaa 540
 att 543

<210> 1004
 <211> 895
 <212> DNA
 <213> Homo sapiens

<400> 1004
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 ctctctttct tctccctct cctgccttt ccattttccg ttccttgggt ttgtgtgtct 120
 gcatctccat cttaacctt gcctgactgt acccgtaga cccctgtttc tctcctgca 180
 cctgtgtccc catctgccct tcttgttct cctgtcatgt gtcaccatct tccctcctgt 240
 ctgcctttct cctcaacttg tctcagcttg cttttttta ttcctgactg agtcaccaca 300
 cccctctccc ctgatcaaag ggaatattag tttttaattt ggatcgactg aggtgccagg 360
 agaaactgca gtcccaggta tccagacagc caccaggatg gtccctcgcc ccacccccac 420
 cgctctccc caccttttcc aacgtgttgc atgctgggag ctggggggtg tgggggaagg 480
 ggctgccggc ttctttcagg aggtgaggt ttggaggcaa aatcaacctg ggagaccacc 540
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 ggacatcccc cttccttata cttagctttt ttgttgcctc tccccactgc cccttttaat 660
 ttatttgggt gtttgcggag ggagggggga ggggggtagg ctgggccggg aactgtccga 720
 ggtgctgagc tggggcgagg ccggaatcct cccggtaggg tcccagggac tgagttggcc 780

654

tggggccgtg tccaaggtgc caatgatgcg ggccgacaga gcgggccgca ctgtctgtct 840
gtccgtctgt cccggaaga actataaagc gctggaagcg cctgcaaaaa aaaaa 895

<210> 1005

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1005

gggggcttca tcgctcatag aatatgttat ttccaagaa gttcaagaat tttcaagttg 60
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tatttaataca accttgtctt ttcaaggaaa ttaccactt aaagagatag ttggtaaata 180
aacatctatg ctttttctca gaaatgattt gctgaactat gtccatattt tacagcttag 240
ataatagttt atatggaaac tattatacat ctgctattgt gcaatgattg ttaaattata 300
ctgaagtagc tctagaaaga cacatgtata caaggcacta ttgtacacac ttgtctgaat 360
atthtgtcag ttgtattttac aaagaaagggt actttcttaa gagcatatat gttattaata 420
tttgatatga ttttaaaagtc agaatagtac agattgctga gtattatact ttaggctaga 480
ttaattaaaa ttgaatactg aaagagattt tttaggttgc aaaaagtta taaatgcaa 540
gcaaaaagaa aacattttatt ttctgagtct gcaggagaaa caaactaaac attatagttt 600
tatagctgct atcttggttaa ccaaacaggk tgttcataat attaaaaatc ttacgtagtt 660
gtgttaaaact gaaccagttc attatacctt atgcattaaa ttaaatatgt tataagggtg 720
ctttacttgt ctttataaaa ataaatatat ctactaaaca tga 763

<210> 1006

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<400> 1006

ctcactaaag ggaacaaaag ctggagctcc accgcggtgg cgccgctct agaactagtg 60
gatcccccg gctgcaggaa ttccgcacga gattttttgt gtatgtgttt cttcccagat 120
agctacatta ttggttactt gccaaacacc ccatatactt actattttca aaatctaagc 180
agatagcaaa aagctcacca cagancataa aatgaatgga ttgctttttt aaaaaaagt 240
gataattgaa tgaataaata catttattgt ctctnattga acctgcttgt aagccctaca 300
tantgcccac acagcctaca aattcacatt ccacatgggc gactccacct gct 353

655

<210> 1007
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 1007
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aaaattttata gaactgcata ctctcaaaaa aattagtttt actctataat aatattagag 120
cttaaaaaat tcatccctct tgcccatcag tagatcagga tatgaaggat accattgaac 180
ataaatattt tgtatccatg atgaatacaa agtatattct cctggaaaac caatagaaca 240
ttcatataaa tgattcctat gaaggtaaaa aacttacaaa attcaaagat catacagatc 300
atgtgctctg tataatgtaa taatagtaac aaaaggcctg tccacttggg aattttttaa 360
tgatcttcta aataactcat ttaaaggaga aatcaaaata aattgcaa attttagaat 420
taataaaaac ttctctaaag ctgaggaatt ctaccmaaga ggtgttagag gaaattgtat 480
agattttgaw ttactttyca rggaggaaaag gaagrccaaa gagtgratta aacantttta 540
aagctt 546

<210> 1008
<211> 4015
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4000)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4010)
<223> n equals a,t,g, or c

<400> 1008
ncgggcgcgc gccgaccatc gactcgccaa cgagagaagg tcctggggca cggacaccga 60
cgggttgcca ctgtgacgtg aggtgttctc gcgcgcgcta cgtctccggg tgccgctgac 120
gggcgtgcgc gcttgtgcgg agccggaggt gggggccgaa ccagccaagg ttgcgggggc 180
cgcagagccg gacgaagacg gagggcggag cggcttcggg actgcggaga ctacacaccg 240
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tcgcgacggc caaaaggagc ggcgcggtct tcgtggtggt cgtggcaggt gatgatgaac 360
agtctacaca gatggctgca agttgggaag atgataaagt tacagaagca tcttcaaaca 420
gttttgttgc tattaataatc gataccaaaa gtgaagcctg cctacagttt tcacaaatct 480

656

```

atcctgtagt gtgtgtttcca tccagtttct ttattggaga cagtggaatt cccttggaag 540
taatagcagg aagtgtttct gcagatgarc ttgttacaag aattcacaag gtccgacaga 600
tgcatTTgct aaaaagtga acatcagtag caaatggcag tcagtcagaa agttcagtgt 660
ctactccatc tgcgtcattt gaacctaaaca acacttTgtga aaactctcag tccagaaatg 720
cagagctttg tgagatacca cccacttctg atacaaagtc agatactgca acaggaggag 780
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cagaggacct caacatccga gtggaaagac taacaaaaaa acttgaagaa aggagagaag 900
agaaaagaaa agaggaagaa cagagagaaa ttaagaagga aattgagagg agaaaaactg 960
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ctgccc aaagc tgctgccttg ctagcaaaac aggcagaaat ggaagtcaag agggaaatctt 1200
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ttccataact taaaaagtga gtttgaaaaa gaaaatctcc agcaagcatc tcattttaaat 3540

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657

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aaagggtttgt catcttttaa aatacagcaa tatgtgactt tttaaaaaag ctgtcaaata 3600
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taattttgga gtaggagggt cctcctcaa ttttgtattt ttaaaaagta catggtaaaa 3780
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ccccagtact attctccaga ggtaatctat taacaatttc ttatgtaatt ttcagaaaaat 3900
ttgtatgcgt atataagcaa atatgtaatc tttatttttt aaataaatgg gatcatatta 3960
tawaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 4015

```

<210> 1009

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<400> 1009

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gaaactcagt cgagggtcagt agatctgtct gggactacat tttccatccc agttcctaac 180
aaagtttcat tttcttttct ttattctctg atgtaagagt taacagtga atgacaaaaa 240
tcctgaaagc caatggagca acaataaaca tactcagata gattgcctca taaattcttt 300
cmagttagtt tttaaaagta acacattttt taaaagtcca cttkgcaaaa tgataattta 360
atatctgggt atcagnctct ccaaaggatt cctggaaaaa g 401

```

<210> 1010

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1010

```

gcgtgcacca gccagacctc atgaactcag gaaggtgctt gtccaggagt tcctggttgc 60
tgtgcccttc acaggcaaag actgcatttc ttctcagct gycagtgagg tgctgssagg 120
atccctgtga gaactktcag gccagtttat gaactgggtg gmaccygtgt cctcytcctg 180
gcccaggmag gagaaccatg agcaggcaga aggagacttt gcaaagtgcc tccccagca 240
tgtgtgccct ctgcccttca gagcctgcag atakkagggg tggcaaggac actgttctca 300
atgagcagaa cctccaagac acccaaagct gcctgtttgc cacctggccc tatgcctgcc 360
ccgttttctc cctcaaggcc ttcacccatg ctagggcagt cacctggaat gtcctttcca 420
ttaccctgc tgtaatgcc agcacagaac ttgatggcag gcctttgcat ggtagcctga 480
agcgatctca ccttctaac tgggtttgcc acaggcacac tggctcatgc ttacctgtgc 540
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gtccagggga tagcaccag cccaacttca gtgtagacct gagctgggag ggaacctgtt 660
agtctcccca cctcttccct gaagagacag gcacccctcc cagccgtggg caacggaggg 720
agtggcactt ctgccttgag tccccagggg aaaaaa 756

```

<210> 1011

<211> 393

<212> DNA

658

<213> Homo sapiens

<400> 1011

```

tcgacccacg cgtccgtaag atatgacagg tggcgacaag tgctgagaag aaaaattgag 60
gaggggtgagg gagtagagtg gccaaagagcc tgggttttcag cagagggagc tggagaatga 120
acccagggggc gctggagctg ggggcgtggg agagtgtcag agagctggca tgaactggca 180
ggttgcctgg aggggagggc tggttccaaa gccagtctta tagcaatttt tccatttctt 240
gatagtgaac tttggaagag ctaggggtkg ggaagatggg aagttgaacc acctctgaga 300
taaaactctc tgarggggct gargtkgwcc tgggttgggg tgcccctgct actggcmaga 360
gagaagcmaa ctccatattg aagtaatctg gtt                                     393

```

<210> 1012

<211> 938

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (812)

<223> n equals a,t,g, or c

<400> 1012

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ccggcatcgg ccaccacgcg caccggggcca cgcccaggcc ctgctcctcg atgccctctg 60
cctgctcctg gacattcttg cacccaagct ccgccccgtg agcacacagc tgtacacacc 120
cgtgaaaagc aacagctggc cagcctgggtg ggcacgatgc tcgcttacag cctgacctac 180
cgccaggagc gcacgcccga tggccagtac atctacaggc tggagccgaa cgtggaggaa 240
ctctgccgct tccctgagct gcctgcccgc aagccccctca cctaccagac gaagcagctc 300
atcgcccgcg agatcgaggt ggagaagatg cggcgggcgg aggcttctgc ccgkgtagag 360
aacagccccc aggtggatgg gagcccccca gggctcgagg gtctgctggg gggcattggg 420
gagaaagggg tgcaccgacc tgccccacgc aaccatgagc agcggctgga gcacatcatg 480
aggcgagcgg cccgggagga acagcctgag aaggacttct ttggacgtgt ggtcgtcagg 540
agcacagcag tcccgagtg caggggacacg gccccggagc aggactcagt ggagcggcgc 600
atgggcacag cgggtgggcag gagegaggte tggttccgct tcaacgaggg tgtctccaac 660
gccgtgcggc gcagcctgta catcagggac ttgctctagt tctctgagcc gcggacatgc 720
cctcgcatgt ctcccgcag agtgcagaga caggaaagctg gagatgtctt tataaagtca 780
cacctttaca gactgtaaaa aaaaaacggc angagcatga atgtatgaac tggaggaagt 840
tacttacagt ggggaaggggt cttaataaca aggtctacct agcatgaagt atttaacatt 900
ctccattcc cttaaaaaat atacatttta ttaaatgg                                     938

```

<210> 1013

<211> 523

<212> DNA

<213> Homo sapiens

<400> 1013

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gaagaaactc actttccctg tggcacgtta atcttcattg ttttaattct gaagcataac 60
gtgccacagg gaaagttagt ttctttactg tttgccagca gcaaggacaa aaagtgaatg 120
gtggggggccc aggagctccc agcttggaga gaaggccctt ccagaccag gaaccggggg 180
tttggggcag gaggcaggaa ggatgggagg gtgtgatcac cgacacacac acacacgttc 240
tctctcttca ggggaaggggt ttccagaagc atttgcccat actctgaatg aagtattttc 300
atgccaagcc aaacctcctg aagagaagtg aattcatggc tgaggagacc acgtgccctg 360

```

659

gctggggatg cacctgaacg ctgctcttca gcaagtgagt tcatagcatc caccagagct 420
tcccagctcc tcaagctgaa gacaggctga gcaaaaacca ggcaggccat gaggggattc 480
aaagaaacct aataggattg ggtgcggtgg ctcacctcgt gcc 523

<210> 1014
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 1014
gcaaaaaggt agctggagtg ggttttaaatt ttcgtataat ttcgtatgtg agcaagctgt 60
gtgatttaga ttatttttaa gattaaatgt ttttcaggta ttaatggtaa actataaaat 120
gtttgcttct gtataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagg gnggccgtn ta 232

<210> 1015
<211> 423
<212> DNA
<213> Homo sapiens

<400> 1015
ttttagagaa ctttcagagc actgattttt gatagactaa gtggaaaatt tgcagagaaa 60
tgatggttgt aagtggacat gcaaaccaaa attggggatt ggagaagtca gactcactag 120
acttttggtt cgagtactat tgaactctct cctgatgaga agatgttttag ataagtacaa 180
gttaagaaaag tagcatatga ctggaaacta tattcagtgac actttctcca aaagactacc 240
cagaaaaata gacttatttt caaataccag ttatcaagat atattaaata gctgtattgt 300
ttagaatcct aatatgggat aaattagcat atgtattcac aatattcatt cagacatcat 360
tcccagacag cagggattta tttaaatggt agctgtctga gttttttaa atagctaatac 420
aca 423

<210> 1016
<211> 874
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (802)
<223> n equals a,t,g, or c

<220>

660

<221> misc feature

<222> (866)

<223> n equals a,t,g, or c

<400> 1016

```

catttttagcc ctaaattacc tgtggctggt tcttttttatt tttttgacta ctttttatatt 60
ataaatgtgt gttactgtct tatgaattca tggcaatata gttggatagc ctggatactt 120
tgtagatga gtatttagct gtgtctgcaa atcttaaaag ccattagcaa agaktcgtgg 180
tatttttttc tttattttta aatgtttggg caccaaacct aaaagcaaaa gattgacgaa 240
rcatgtttct cttaaggcta cttgtatttt acaatacaat attaaattat ttaatttgag 300
aaatttagtt ttgcttatat gcacttttta aatatatact attttgaaga ttccttatgt 360
aaatgcaaat ttcctagtta aaaccgaata acagagatct gaaatgactg agaaaaactt 420
ttttattaaa ggaaggaatt aatttaaggc aatttttaac tatgtagaac taattgcca 480
tgtttaatta tagcagacac gccattctaa caggtatttg ataccattgg atgcattatt 540
ctaggttttt tctttaataa aaatggaaca agttttcatt tacattccaa gctgtcagga 600
aatgaagaat attttattat ctaggatttt atctgatgta gttgcttaaa gatctgatgt 660
gctataattc catgaatcag aaataataaa atgctatcat tctggatctg aagacttttg 720
atactttttc aaaagcaaaa ttaatttcag gaacctttga taagttgttg ttataattaa 780
tctaattttg tatagttttt gnaaataaat taccatcctt cacaattagg gatgctttta 840
tccccccatc actaaattgc agttgnttga tacc 874

```

<210> 1017

<211> 1287

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1286)

<223> n equals a,t,g, or c

<400> 1017

```

ggcatataag gaatcttcaa aatagtatat attnaaaaag tgcatataag cacttttttaa 60
atatatacta atttgcattt acataaggaa tcttcaaaat agtatactat ttgaagattc 120
cttatgtaaa tgcaaatttc ctagttaaaa ccgaataaca gagatctgaa atgactgaga 180
aaaacttttt tattaaagga aggaattaat ttaaggcaat ttttaactat gtagaactaa 240
ttgcccatgt ttaattatag cagacacgcc attctaacag gtatttgata ccattggatg 300
cattatttcta ggttttttct ttaataaaaa tgggaacaagt tttcatttac attccaagct 360
gtcaggaaat gaagaatatt ttattatcta ggattttatc tgatgtagtt gcttaaagat 420
ctgatgtgct ataattccat gaatcagaaa taataaaatg ctatcattct ggatctgaag 480
acttttgata ctttttcaaa agcaaaatta atttcaggaa cttttgataa gttgttgta 540
taattaatct aattttgtat agtttttgta aataaattac catccttcca caattaggga 600
tgcttttatc ccccatcac taattgcagt tgtttgatac caaaataaat ttacgtagag 660
atccttaact taaaataaat taattttttc aaaaaacata aatctggaac tgttgtttct 720
atatttgata acaataacag tatattttat ttataagcca tgggtctactg atactgtatg 780
aggactttcc ttatatataa aagttgcagg gattgtgttt tattagctgc ttaattatg 840

```

661

```

ttaatttttag agagtttttta aatggaaata gaggacattt atgaaacgct ggaattgcag 900
ttacaaattc tttttgttgt tggtgttcct gaacatgcct tggaataatt ctaccatttt 960
ttccccctcc ataaatcttt ctaataaagc atagaaaaag cctatatgat tttaaatgcy 1020
tctcttaagc tggtaaacag atttgagtta tgagttcatt gttattgcct tcaagatgaa 1080
aagacagtga tataattttt ctatttcaac ttaaaagtaa tagttaatat gctaaagtag 1140
tacagaataa actttattgc tgcttactaa ctacaaaata ctgtagatgg catctgtatg 1200
attaaacata taaagtaaaa caggtctgag ggctttgtag atgattaaag tctccacctt 1260
catgaaaaaa aaaaaaaaaa aaaatnt 1287

```

<210> 1018

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 1018

```

attgtgatga gttatccagt aacttacagc atatcagtgc tttctgattc ataagataag 60
tctgttcttt aaaagtactt aactaaagta tatgtacta caataaaaag ccttsaagta 120
tgtcaatatt aatccccaaa ctacctcaag aaatcccttt aacctccaga aattatcact 180
gtataattga catacaactg aaaaatacag cacatcgaat ctagcaattt atcctattaa 240
ttgccttatt aaggtaacat ctttcaaagg gaaaaaata aatttttagta atgttttcagt 300
catcttttaa tctaaaattg tgaagacatt ctgaaacttt gcttagttta caaatataaa 360
gatttccata ctgacaatta ccaaatacca aataccttta ctggaaagaa acctagtgtg 420
aaacnattac cgggatcaag tagcctaaaa tttagtangg ng 462

```

<210> 1019

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

662

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (167)

<223> n equals a,t,g, or c

<400> 1019

```

cactacccta ntaaggaggt catctctcct aaattatatt caccctgact gtggggataa 60
tcatactcct caattcaggg natactatta ttatcagtct gtccaaggcc tctgttggt 120
tattttatatt ttttaccctt tttatcacta ctccccatt tcctccnaaa ccttcataag 180
caaaaactta attgtctggc atctgtcttt ggatatggag tgtttctttr aaaaawatta 240
agtgttggtt tacatatatg tgtgtgtgwt twaaattttc ataaatggca atatgctatg 300
aatagccttc ttttatattt ttcattaaat actctttcaa aatgaatcca tgatacagca 360
tggtccc                                     366

```

<210> 1020

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (684)

<223> n equals a,t,g, or c

<400> 1020

```

ggaagaacca gcagtgaag atggantagg aagcagaggg aagaggggaa ggatgtgttc 60
acaggagagg ccaagaggca gcgggggttg gatgaggggt gcaaagcgtg aatttatgca 120
tttctccagt ctaggttttag ttagtataact ccctgtgaat gtcaatacct gtaaatgata 180
cttttaatat agggagatta tccccttgaa tgtttggtt gtatcttgtc ctagaccag 240
agttgccatt ctctaaatat cttaaatact attattattt tatctctctc ttttacacac 300
acacgcgcac acacacacac agagaaatgt tgtttatgag attttgtata tttcacatac 360
ttcatattct ttatatgata gatgaataat gtgtagtttt tcaaagtttt gagttaatta 420
caatttaggt actatttcta aaaggaagat atatttgtgt tcttactttg gtggctgaga 480
ttacttaaag gggataattt gctcccaaat tcctaagaat ggtacaggaa ttctaagggtg 540
actaatctct atttcatttt tttatgaata cttttatctt gaaatgtgta atacaaatct 600
ggtcagaggt ctatataaaa atttatattg gaatcagact tatgtgtgtg tactttttat 660
ttgatattta ataatgccct aagnaggtta ttcaaatttt tattaaagtg aaatgatttg 720
acagtcagac tttgaattta atgcatgcat                                     750

```

<210> 1021

<211> 1333

<212> DNA

<213> Homo sapiens

663

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<400> 1021

```
acaagggtttt gaacgacaga ctacagctgc tgttggagtg ctgaaggctg tgcactgtgg 60
agagtggcct gatcaacccc gtttaaccaa agatgtaatt tgttttcatg ctgaagattt 120
cttagaagta gtncaacgaa tgcagttaga ttacatgaa cctccactgt cccagtgtgt 180
ccaatgggtt gatgatgcaa aactgaatca actgaggagg gaaggcattc gctatgccag 240
gattcagcta tatgataatg acatttattt tattccaagg aatgttggtc atcagttcaa 300
gacagtttca gctgtatgca gkttagcatg gmatattcgg ctcaaattat atcactcaga 360
ggaggacamt tctcagaata cagctactca tgaacaggc acatcatcag attccacatc 420
atctgttctt ggacctcaca ctgacaacat gatttgtgct gtaagcaaac ctccttggat 480
tctgtttttt cagataaaact tcattctwaa tatgaattac agcagattaa acatgaacct 540
attgcatctg taagaatcaa ggaagaacct gtgaatgtta atattcctga aaagactaca 600
gactgaata atatggatgg caagaatgtt aaagcaaaat tggatcatgt tcaatttgca 660
gaatttaaga ttgacatgga ttctaaattt gaaaatagca acaaagattt aaaggaagaa 720
ttgtgccctg gaaatctaag tctagttgat acaaggcaac acagttcagc acattcaaat 780
caagataaaa aagacgatga cattttgtgc taaatttgca tataccatct aaaatccttt 840
tttaaaaaaa tttaatgtaa taaagattca tgaattctga aagcaagcca aggacttgct 900
cctatgtctg ttacaaaaca tagtttatgt agctttgtaa cattcctcag tgcctgtcca 960
taactgtgaa gtattaagca cttagggcc aatgcactgt aaacattgca ggtttaaca 1020
taaaggagtc tttaaaaaaa aatcattttac gttggaattt taggttttag aatagagctg 1080
acattaacat atatatatat atataaatat atatatatat tttgtaatat gagccagaat 1140
tcctttttcaa caattttaaag cttttccata gagcttattt atatcctttt ttttcatttt 1200
aaatgtgtca gcaactgtagt gtaaatagct tttaaatatc tttttagtgt gatttatact 1260
gaaatgtgag ccacttaata aaggttcata tgttcataat aaaaaaaaaa aaaaaaaaaa 1320
aaaaaaaaaa aaa
```

<210> 1022

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<400> 1022

```
ggcagagcta aaataatgac tacctaacac ctgggtaaat atgtctccag accttttcaa 60
tgtgcatgtg tacataagct tgtatttttc ataaaaaagg aatcctgata catattttat 120
aacatacttt ttttcattta acatactgag gcatttaaaa ttttcagttt gtttttattg 180
tagcaaacat gtagtaagggt tttgggtggc tttcagtgga taaaaggacg gtatccaaag 240
gggggtttga atttcccact tctgggaaca gactcctatt aaagttccag gggactatct 300
gcagtggsgt gctgaacaaa agatatcagc agtgctcatc attgtagtaa cttgggtaac 360
tcctccaaat actttgtgtg aactatcaga aatctttggg aattttttta tgtacattct 420
tgaaattctg aatgtacaaa tatggagtgc catttaaaagt ttttttttta attttaagtc 480
ttgcatccat taatgtattc tcttaaactt ttatccttat atatttatna gctctgaaat 540
```

664

cttgggccac taggcacttt ggggg

565

<210> 1023

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

<223> n equals a,t,g, or c

<400> 1023

```

ctggcagtcgt gtgcaccgga gttggctcct ttccctctta aacttggtgca agagatcgct 60
gagcgatgaa ggtagaatta tggctcctcct tgcccttgcc ttcccttttt gtgatctcaa 120
agcatcctcc ctccgccctc attccatggc cccagttccc tactcccaca gctgtctgct 180
gaaactgccca acattactca attgtttctg gggggaggaa catttttttt tgaaacaaaa 240
tagatatatg aaacagtaca cggaatttaa cacgaatatt taaggtaaaa catgaccttg 300
aagattatga aatccatctt attttggccc agaacggggg cattgggctc cttgggccat 360
aggggagctg gggaggacag ggtgaagagt tagctctaag ccctctgctt ggagatgctg 420
taaatacaga acgcaaaatc accttcgaag ttaaagacgc gaaagttctt cttttctcng 480
gcccttcttc cttccccccc ggccatttcc ttccagtacc antng 525

```

<210> 1024

<211> 908

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<400> 1024

```

gtgatggact atcgcgacgt agatcaaata agtataaaat gcctcagttt tgtccttttt 60
agtgaacat aagtactggg ataccctatc ctaattaggg atcatttgaa agcttttccc 120
aaattgaggg cntgtgcct tctccccatc ccctgggggt ttaaagtgat ttcaaactgc 180
aacctagttt tagaaccact gttctgggta gttgggatac tgaaggcata ttgttaatta 240
ttctacttgt atgttttgct aattctaaga taagcatttt tccagaaacc aggatgtaga 300
atccagytgc catygacatc ttaacatttt aggaacaac tttaaaatga tatactatct 360
atctatctat ctgtagcaty ttaaaggtaa tgaaattaat gtggcagtag gtcttttaag 420

```

665

```

cttctgccta catccatatt gagtatagtt gttgtcttct aaaataatta attgattttt 480
ggtgagataa ccagattcat attttaagcc ttttgtaatg gccccgtggt acctggagtc 540
aaggttcaga agtaaaaagt tccttaaggt atcaataaca aaaatttgta ttaatagttc 600
agtcctaaag cagtgttgct gagattatgt ttcaccagca tttacaagct gtatgttaaa 660
tgctgccata aagaggtctc tgaagccgta gggcacaccc aaggcagggc tgaraagtac 720
ctagtagtgt gcmccmcccr aaaaccatgg atggcagcag ccacatytc agcttaccaca 780
ttcactgccm cagtytacag ctttaagacmc ttaactacaa ggtaaaagaa aaggrccaag 840
taaatacaaa aagtttytta ttaaaaaact tggaagccca aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaa                                     908

```

<210> 1025

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1025

```

gggtacggta attcccaagg taagctcttg atctagatct tggggcctat agaaatattt 60
ttaagggaca tcaaagggtc ttgggaaatc tgcctagtga gggtaagcaa gatgaaagag 120
ggaaagttgt tatggttaat agtttgtag gaactccctt ccaagaggca agcttttgtc 180
atctctatgg aatttgaggg cagttggaca atttgcaagg atattctcac ctgttcatta 240
aggtcccttt cctccagtaa gagaatggct agggctctgt ggataatctt aagcacctac 300
tgttgctttt ttgttgttt gcttatgcaa gtgatcattt attttttagg agtgatttgg 360
aggaagagta tgaggcaagc ttgtttttct ccagtgtaat tgatggtcac catgcatggg 420
t                                             421

```

<210> 1026

<211> 887

<212> DNA

<213> Homo sapiens

<400> 1026

```

gattgcgtaa cagaactttc tgtacatcac agaaacaaca ggcaaacaat ggaggattta 60
atttcactgt ggcagtatga tcacctcacg gctacctatc ttctgcttct agccaagaag 120
gctcggggaa aaccagttcg tttaaggctt tcttcyttct cctgtggaca agccagtgtc 180
accccatcca cagacatcaa gtcaaataat tggagtctgg aagatgtgac cgcaagtgat 240
aaaaattatg tggcgggatt aatagactat gattgggtgtg aagatgattt atcaacaggt 300
gctgctactc cccgaacatc acagtttacc aagtactgga cagaatcaaa tgggggtggaa 360
tctaaatcat taactccagc cttatgcaga acacctgcaa ataaattaaa gaacaaagaa 420
aatgtatata ctctaagtc tgctgtaaag aatgaagagt actttatgtt tcctgagcca 480
aagactccag ttaataagaa ccagcataag agagaaatac tcactacgcc aaatcgttac 540
actacacctt caaaagctag aaaccagtgc ctgaaagaaa ctccaattaa aataccagta 600
aattcaacag gaacagacaa gttaatgaca ggtgtcatta gccctgagag gcggtgcsct 660
cagtgggaatt ggatctcaac caagcacata tggaggagac tccaaaaaga aaggaggcca 720
aagtgtttgg gagccttgaa aggggttggt ataaggttat cactgtgctc accaggagca 780
aaaggaaggg ttctgccaga gacgggcccc gaagactaaa gcttcactat aatgtgacta 840
caactwgrtt agtggattcc cggttcaact gtttgatgg aattaat                                     887

```

<210> 1027

<211> 461

<212> DNA

<213> Homo sapiens

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MISSING AT THE TIME OF PUBLICATION

683

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<400> 1053

```

gctcgaactg tatggctgca tttacccttc tttgcacctg atgtccatga atatctaagt 60
tcaagagaga tgagctcagt tcctagggtc tgccccagtc tgtagtgaca tgctcctgta 120
tgtaacggaa atggccatgt ctacaggagg taaaatcaca ccaacctggg aagaggaaaa 180
gccagtggag ggcagtagag cagggggcag cctctccact gaargcagtt gtttgacctg 240
ctccatggca tttgtgtcca ttagagtcta raagargtgt tggcaaactt tctacaaagg 300
gccaratakt aaatatTTTT ggctttggaa rctaratggg ctctgtcata accactcmac 360
tccgccattg tagtgcaaaa gcaaccatag accatatgta tacnaatgga tatgggcctg 420
gtccaataaaa aactttttatt tacaaaaagc aaggcnantg ggccca 466

```

<210> 1054

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 1054

```

ttcggntaaa aaaaaaaaaa aggactgtgt aagggttactt aactcctctg gggcttgtcc 60
atcttatctg caaaaatggg gatccnctag cgtgtatctc gctgagcggg acagatgaac 120
tatgtaaagc atttggccca atgcctggca ctgctaagca tgcaataaat ggaagtact 180
atcataatgt gtaacacata taattatgac aattatattt ccaagatatt ctgggatctt 240
tacagtttca taattttgct ctttttacta tacaacactc cttttattga aacaaataca 300
gattttggag tcagacagac ctagtctgga tttgaattcc agctctcctt cttaccagcc 360
tggggccatg gagaatgttg tccatttccc tgagcctcag tgttcttctc tgtaaaatgt 420
ggatgatacc tgactcccag gcattttgcc aggattacat gggattccta cacagtgcaa 480
tgtctagtga taatataaat actaaaagca acttggttaa tgtataaata aatgtgattt 540
atttttgctc cttttaa 557

```

<210> 1055

<211> 2872

<212> DNA

<213> Homo sapiens

<400> 1055

```

catgcctgat ggagccactt tggctattgg atcttcccgg gggaaaatat atcaatatga 60

```

684

```

ttaaagaatg ttgaaatcac cagttaagac catcagtgtc cacaagacat ctgtgcagtg 120
tatarcattt cagtactcca ctgttcttac taagtcaagt ttaaataaag gctgttcaaa 180
taagcccaca acagtgaaca aacgaatgtt taatgtgaat gctgctagtg gaggagtcca 240
gaattccgga attgtcagag aagcacctgc cagctccatt gccacagttc taccacaacc 300
tatgacatca gctatgggga aaggaacagt tgctgttcaa gaaaaagcag gtttgccctcg 360
aagcataaac acagacactt tatctaagga aacagacagt ggaaaaaatc aggatttctc 420
cagctttgat gatactggga aaagtagttt argtgacatg ttctcaccta tcagagatga 480
tgctgtagtt aacaaggga gtgatgagtc cataggcaaa ggagatggct ttgactttct 540
accgcagttg aactcagtg ttcctccaag aaaaaatcca gtaacttcaa gtacttcagt 600
attgcattct agtcctctta atgtttttat gggatctcca gggaaagagg aaaatgaaaa 660
ccgtgatcya acagctgagt ctaagaaaat atatatggga aaacaggaat ctaaagactc 720
cttcaaacag ttagcaaagt tggtcacatc tgggtctgaa agtggaaatc taaataacctc 780
tccatcatct aaccaaacaa gaaattctga gaaatttgaa aagccagaga atgaaattga 840
agcccagttg atatgtgaac ccccaatcaa tggatcctca actccaaatc caaagatagc 900
atcttctgtc actgctggag ttgccagttc actctcagaa aaaatagccg acagcattgg 960
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taatttttagt aattatgtgt acagatgaaa cattttTgtc atggaattta aaagctaagt 2820
aagtataaaa aataaaatgt tatatgcaaa aaataaaaaa aaaaaaaaaa aa 2872

```

<210> 1056

<211> 552

<212> DNA

685

<213> Homo sapiens

<400> 1056

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gtagactaga gaaggcattt ggagatcggt ttagtaaatt atcttaacca atctaaaaat 60
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ttaggggaac gtggcaccga tctcatcttc accgtcgatc agtggttctc tgacttggtc 180
cagtggccgc acaccagcta gtgaagaaaa ccacagactc caactgcact gtgtacgstc 240
tggtgtcctc atttccaaaa aaaaaaaaaa aaaatctcca agatagagtt taagaaatct 300
catttgagtt gccctgctaa tatttgcagc tcgctgggtg gtgccgtgga ggccagtact 360
caccgtcagg ctgtggcagg tacagtgaag ggaaaaactc catgagagaa cggtggaag 420
ttcacctgag agtgaaacgc atgccagtta gagtggctga aaaatagcat ggacaacacc 480
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caaaaaaaaa aa 552

```

<210> 1057

<211> 871

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (754)

<223> n equals a,t,g, or c

<400> 1057

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cccacgcgtc cgcagagaag tacagagtct taaggaacaa catcaaaaag aaatatcaga 60
actaaatgag acatttttgt cagattcaga aaaagaaaaa ttaacattaa tgtttgaaat 120
acagggtctt aaggaacagt gtgaaaacct acagcaagaa aagcaagaag caattttaa 180
ttatgagagt ttacgagaga ttatggaaat ttacaaaaca gaactggggg aatctgctgg 240
aaaaataagt caagagttcg aatcaatgaa gcaacagcaa gcactctgat tcatgaact 300
gcagcagaag ctcagaactg cttttactga aaaagatgcc cttctcgaaa ctgtgaatcg 360
cctccaggga gaaaatgaaa agttactatc tcaacaagaa ttggtaccag aacttgaaaa 420
taccataaag aaccttcaag aaaagaatgg agtatactta cttagtctca gtcaaagaga 480
taccatgtta aaagaattag aaggaaagat aaattctctt actgaggaaa aagatgattt 540
tataaataaa ctgaaaaatt cccatgaaga aatggataat ttccataaga aatgtgaaag 600
ggaagaaaga ttgattcttg aacttgggaa gaaagtagag caaacaatcc agtacaacag 660
tgaactagaa caaaaggtaa atgaattaac aggaggacta gaggagactt taaaagaaaa 720
ggatcaaaat gacaaaaaac tagaaaaact tatnggttca aatgaaagtt ctctctgaag 780
acaaagaagt attgtcagct gaagtgaagt ctctttatga ggaaaaaatw aactcagttc 840
agaaaaaaa ccggttgagt agggatttgg a 871

```

<210> 1058

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

686

<220>
 <221> misc feature
 <222> (395)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (408)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (434)
 <223> n equals a,t,g, or c

<400> 1058
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 tactagataa atggtaatat gccattataa tgcaactcaa tgtagatgag tctggaagag 180
 gctgggctca aatgggtccca catgatccag ggatagaccc agagtttcca gaggaatggg 240
 tggataacac ttattcaaat aagaatccct tcttactctt ctcaataaaa cttttgtcaa 300
 agataatcga cagactgtag ctatactctg tgggtgattgt ctggagttac atgttgctga 360
 ttganggtga attcatatgc tttagaaact agaancgcaa gtgttcangt tgctaactctg 420
 ctttggaat gaanggacca gtgaagacct tcactcgcaa tgaargtgtw cttttctatg 480
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 aaag 544

<210> 1059
 <211> 597
 <212> DNA
 <213> Homo sapiens

<400> 1059
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 gcacaccaa gatgacacca agtacagaac caaaagtttc aaagggtgaca gaacctttct 180
 ggaagggttac cacactcgtg ggtagatca ctcatcctct tggcaggatc acagtcgctt 240
 cctgtctagt ccaagathtt catabgtgaa ctcatctacc aaaagaactg ttgctccaga 300
 ttcagcttca aacaagggaag atgccacaat gaatggaaca agttcacaac ccaaaaaaga 360
 ggaatatggg agctaaaaaa gcaaatgtaa tttgttattt tacatgagta tgttacaaat 420
 aataacatct ctattcttac agcaatttgg cccagattat ctaacagaca tacctgcagc 480
 tttggctctt tggatttgcc aaacattgac aaaagtgaca atactgttgg tccttgatga 540
 tggtaaacca atccaaataa tatcagatca tgaatgatgt gcagctaatt tatttgc 597

<210> 1060
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

687

<222> (96)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (334)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (344)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (380)
 <223> n equals a,t,g, or c

<400> 1060
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 gaggcattcc cctctggttg tacagcgaca gctgngaga gaaggcagca gccctgaagg 120
 cagtaccagg aggacgatcg aggggcagtc tccggagccg gtgttcggag atgctgatgt 180
 ggatgtgtct gcagttcagg cgaagttggg agccctggaa ctgaaccaga gggatgctgc 240
 agctgaaact gagctcaggg tgcaccacc ctgccagcgg cactgcccag agccgcgagt 300
 gcacccgaag aaaacaaagc caccagcaaa gctncccaag gtancaactc aaaaaccccc 360
 atcttttagcc ctttttccan cgtcaagccc ctgcggaaat ctgctacttg ccaggaaatt 420
 tggga 425

<210> 1061
 <211> 593
 <212> DNA
 <213> Homo sapiens

<400> 1061
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 ccaccaattt gattacgaaa aatctttcgg gcttccaggg agctttggag cctggaaatt 120
 gcagatgagg gatggggggc tgcactgttt cgcggctggg gagagggagc tcatccgaag 180
 tcttccgaca gaggtggggc tcatgcccga cgtgagcgg agtgggtctc ctcgagccca 240
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 gcttcacgat ctectaccgc ggcggggccgc gtacctctg gatggcctct tagacgttct 360
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 tgaagctgcc gctgcttccg aggttgccgg cgggagggca gacgacggcg cgcgtcaggt 480
 cgtccagggc ctgcgcgggc cgcacggggc ccgtggggcg caggtagagg caggcgggca 540
 ggccggtgta ctccaagggg tgctccacca gtacgtacac gtccccctcc aca 593

<210> 1062
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 1062

688

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ggcagagctt tattaaagta cagtattata agaaatcaca ggcgtgagca cctgcgtcca 60
gccaaaaagc tttttttgaa tgtgatctgt gtgaaaataa ttccctatgg tatgacatat 120
gataggcagg gatgatgtat ctcakaaatc atactcctgt cttgatatcc catcaaatat 180
caatgtttac atttagcgtt tggatgtctg gcaggacatt aaaaaattgg cagagctgtc 240
ccacacatgc agaacatcta tagcgttctt gcctcctcaa aggtaatctt catgtgacaa 300
caacaacaac aaaaaaaaaa aaaaaaaaaa tt 332

```

<210> 1063

<211> 2340

<212> DNA

<213> Homo sapiens

<400> 1063

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aggcgtcgcg gagacgcgta gaggagcgcg ccccccgccc gmtgccgmcc ctggcccgtg 60
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cgcgtgacc ggccctccag acgcctcccg gtaccggga cccagcccg gccgctcgcc 180
cgcagcccg cgccgcaca cgtccccgga gccgggcta gggcgggcg cagggcggt 240
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tccggccagg agaagtaccg gtcgtgtgtg gtccggcggtg gcggcggtgg caagtcggcg 360
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tcttacacaa agcagtgtgt gatagatgac agagcagccc ggctagatat tttggataca 480
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gtgtacaaca gtcccatgaa gtttatagag catacccttg tatagcttca ggtgctagaa 2280

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689

ttaaaattga tctgttatca caaaaaaaaa aaaaaaaaaa aaaggctctt taattaggcg 2340

<210> 1064

<211> 1647

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1629)

<223> n equals a,t,g, or c

<400> 1064

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cccggtgctg cacagcctgc agagccgcgc cggagccccg ctcccgtgac cccgggggtcc 180
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ttgcgttgca gcaatcagtg ttaaatcatt tgcataagat ttaacagcat tttttataat 1560
gaatgtaaac atthttaactt aaggtaactt aaataattta aaagaaaang ttaacttaga 1620
cattcttgng cttcttttac aactaca 1647

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690

<210> 1065
<211> 252
<212> DNA
<213> Homo sapiens

<400> 1065
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tactgcgtga gaccattttc ccactgtggg catgttttcc ttgagtcaat tttccaggta 120
ctctatatc agcactctcc tccttccttt tctttaattc catttttagcc acacacaggg 180
gaatgggaaa gggcctgatt aaatcaacta tttttttttt tttaaaattt taatcttttg 240
ggggcccagg aa 252

<210> 1066
<211> 1095
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 1066
tccccgcgc sttgccgat tcattaatcc agytgccacg acaggtttcc cgactgaaac 60
cggccagtna gcscaacgca attaatgtga gttagctcac tcattaggca ccccaggctt 120
tacactttat gcttccggct cgtatgttgt gtgaaattgt gascggatac caatttcaca 180
caggaamcag ctatgaccat gattacgcca agctctaata cgactcacta taggaaagct 240
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ttcagtttat tatctgtaaa ttgtacagtt ttctttttga aagttttaat attgtcttcc 360
tttttaataa cttattttat acatattgtg cagatgtaaa tcttgtaatt aatgggtcaa 420
ctgtataaag ggattggtag tcaaaacatg taaaagaaa tacctgtaaa actgttttgt 480
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gttggacata ttatttagac ttagtcatac aaagaaactt agctcttttt tcatctcaca 780
gtaaagccta tttcccagg aaaaaataa atgcctttga atgaaaattc tgaaattgta 840
aatgtctatt ttaatatcca cctatgaaag aatctgtgaa tataatgtaa tacgtttaat 900
aaattttatt ggtcatgtta aatcattgta aaactttttt acattgctta atgttttaag 960
cttaatagcc ttgcacttt taaaataaaa accaagtatg caaatcaaag atatttggtg 1020
gtcaaaataa gtaaaagaaa tataggaata ttccagtcaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaagggcg gccgc 1095

<210> 1067
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

691

<222> (619)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (657)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (658)
 <223> n equals a,t,g, or c

<400> 1067
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 gccccagtca ggcggaaggt agctggctgc ggggcggggc gactggcggg cggcggggagg 120
 cgccaaccgg cacagacgac tcccagctgg ccgagggcgg gaagggggca ggcagggaag 180
 cggcccgccc ttcgtcctgc cccttcgccc taytctgtca cctccgytgg aaggagtggg 240
 acccakactt gctggtctga tccatgcaca aggcggggct gctaggcctc tgtgcccggg 300
 cttggaattc ggtgcggatg gccagctccg ggatgaaccg ccgggaccgc ctcgcaaata 360
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 ggaggaccgg gagcggtcgg tggccacggt garcttgca ggaatgggc acagagccar 600
 gaagtggaaa aggagccanc tgamctkctt cctgctttcc taagacagca acacatnnga 660
 a 661

<210> 1068
 <211> 164
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (146)
 <223> n equals a,t,g, or c

<400> 1068
 attccttata catgttaact aactctaagg ggaaagagat agatcataaa ttacatgtta 60
 acgttgaggg gaaattgata gatcataaat taaaatataa tttaatatgt tatatatttc 120
 tattgattta tatacctatg aaatantttt tatattgaaa ggta 164

<210> 1069
 <211> 1004
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (37)
 <223> n equals a,t,g, or c

692

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 1069

```

acattaacgg gaagcttcct atagggattg cgggtangcn tcccaggtag cggtcaggaa 60
ttcccgggtc gacccacgcg tccgagttat ttgagaattt tgggtgaaaaa tatttagctg 120
agggcagtat agaacttata aaccaatata ttgatatttt taaaacattt ttacatataa 180
gtaaaactgcc atctttgagc ataactacat ttaaaaataa agctgcatat ttttaaatca 240
agtgtttaac aagaatttat attttttatt ttttaaaatt aaaaatratt tatatttcct 300
ctgttgcatg aggattctca tctgtgctta taatggtagg agattttatt tgtgtggaat 360
gaartgaggg ttgtagtcac ggttctagtg tttcagtttg ccaagtctgt ttactgcagt 420
gaaattcatc aaatgtttca gtgtgstytc ctgtagycta tcatttactg gctatttttt 480
tatgtacacc tttaggattt tctgcctact ctatccagtt gtccaaatga taccctacat 540
tttacaaatg ccttttcagt ttctattttc tttttccatt aaattgccct catgtcctaa 600
tgtgcagttt gtaagtgtgt gtgtgtgtgt ctgtgtgtgt gtgaatttga ttttcaagag 660
tgctagactt ccaatttgag agattaaata atttaattca ggcaaacatt tttcattgga 720
atttcacagt tcattgtaat gaaaatgtta atcctggatg acctttgaca tacagtaatg 780
aatcttggat attaatgaat ttgttagtag catcttgatg tgtgttttaa tgagtatttt 840
tcaaagtgtg gcattaaacc aaagtgggca tactggaagt gtttatatca agttccattt 900
ggctactgat ggacaaaaaa tagaaatgcc ttcctatgga gagtattttt cctttaaaaa 960
attaaaaagg ttaattattt tgactaaaaa aaaaaaaaaa aaaa 1004

```

<210> 1070

<211> 1306

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1289)

<223> n equals a,t,g, or c

<400> 1070

```

accgtccgga ttcccgggtc gacccacgcg tccgtgaggt tacagattat gccattgcc 60
ggcgcatagt agatttgcat tcaagaattg aggaatcaat tgatcgtgtc tattccctcg 120
atgatatcag aagatatctt ctctttgcaa gacagtttaa acccaagatt tccaaagagt 180
cagaggactt cattgtggag caatataaac atctccgcca gagagatggg tctggagtga 240
ccaagtcttc atggaggatt acagtgcgac agcttgagag catgattcgt ctctctgaag 300
ctatggctcg gatgcactgc tgtgatgagg tccaacctaa acatgtgaag gaagctttcc 360
ggttactgaa taaatcaatc atccgtgtgg aaacacctga tgtcaatcta gatcaagagg 420
aagagatcca gatggaggta gatgaggggt ctgggtggcat caatgggtcat gctgacagcc 480
ctgctcctgt gaacgggatc aatggctaca atgaagacat aaatcaagag tctgctccca 540
aagcctcctt aaggctgggc ttctctgagt actgccgaat ctctaacctt attgtgcttc 600
acctcagaaa ggtggaagaa gaagaggacg agtcagcatt aaagaggagc gagcttggtta 660
actggtactt gaaggaaatc gaatcagaga tagactctga agaagaactt ataaataaaa 720
aaagaatcat agagaaagtt attcatcgac tcacacacta tgatcatgtt ctaattgagc 780
tcaccagggc tggattgaaa ggctccacag aggggaagtga gagctatgaa gaagatccct 840
acttggtagt taaccctaac tacttgctcg aagattgaga tagtgaaagt aactgaccag 900

```

693

```

agctgaggaa ctgtggcaca gcacctcgtg gcctggagcc tggctggagc tctgctaggg 960
acagaagtgt ttctggaagt gatgcttcca ggatttgttt tcagaaacaa gaattgagtt 1020
gatggtccta tgtgtcacat tcatcacagg ttctatacca acacaggctt cagcacttcc 1080
tttgggtgtg ttctgtgccc agtgaagttg gaaccaaata atgtgtagtc tctataacca 1140
atacctttgt ttctatgtgt aagaaaaggc ccattacttt taaggatatg gctgtcctat 1200
tgagcaaata actttttttc aattgccagc tactgctttt attcatcaaa ataaaaatac 1260
ttgttctgaa aaaaaaaaaa aaaaaaana aaaamaaaaa aaaaaa 1306

```

<210> 1071

<211> 150

<212> DNA

<213> Homo sapiens

<400> 1071

```

gacttgttct agatcgcgag cggccgccct tttactgtt ttaggtgtgt gtgtccagag 60
tgagcaagga ttatgttttt ggattgtcaa agaggatgct tagtcttaaa ataaaaataa 120
atttaaaaat catcttataa aaaaaaaaaa 150

```

<210> 1072

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 1072

```

acgcctgcag gnnaccgggc cggnaattcc cgggtcgagg ggccactctc ctgtctttac 60
tccttttccc ttctctattc ttccaccaga agccctcatt tgaccagtga actcctaggc 120
cctcttgacc cgcacattag ctgggcgatt tccttggtct gctaattcct aattctgctt 180
aaaatgtatt tggatttctg tttttgaaca cttatgatgc caggcactgt aatgcttgaa 240
accgatctt tccctagaga atgtaacata cgtttttatt catttaataa cttcattatg 300
ccgggggttaa ttatgtttat ttataaattg gtaataaagg ccacatttat ttttgtaact 360
gtttaaraa maaaaaaaaa aaaaaa 386

```

694

<210> 1073
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<400> 1073
nntgagaaaa acccttgatg tgntganaac catcatgggg accaggatag aaggcttctt 60
cccactcaaa gcttttctcc ctggaggggtg ggcactgctg ggccatgcac ttcaaagcag 120
tgttcctcag caggaaagcg gaggtcacca cttaccggcc tctccacct tctcggttc 180
tcttttctcc atgaaccag gtcgtccagc aggtacttcc aagttcccag gtctgtctgc 240
ctaagagcct tttgaggaga ccgtcctgga gccccatcag tgcccagatc ctgggggtacc 300
gaccattgct gtctagcagt gggggatcct gtggtgggaa tgggggtggc ttctcatcca 360
tgttgcttct gggaagagag ggttgccctt ctgggctagg gaggtggctg gagcttctgc 420
cctgaccctc cgctagaaac cagttatata cattgccaca gcaatactgt gtaacaaatc 480
cgccaacact cgggtggcctg caacagtcag cactgatcta gggcaggagt cagcagtctg 540
ggcaggggtga ttcttctggt ctaggctgkg cttgtttgtt tagggccatg ggttggttaag 600
tccccagggg atgctccatg gtg 623

<210> 1074
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature

695

<222> (609)

<223> n equals a,t,g, or c

<400> 1074

```
cactttttatt aattttgcatg tcctttttaat atttattttat tcaaatacta ccgtatggcc 60
caccataaatt acccccatatc tccttacact attcctcatc acccaactaa aaatatttaa 120
cacaaactac cacctacctc cctcaccaaa gcccataaaa ataaaaaatt ataacaaacc 180
ctgagaacca aaatgaacga aaatctgttc gcttcattca ttgccccac aatcctaggc 240
ctaccgccc cagtactgat cattctattt cccctctat tgatccccac ctccaaatat 300
ctcatcaaca accgactaat caccaccaa caatgactaa tcaaactaac ctcaaaacaa 360
atgataacca tacacaacac taaaggacga actgatctct tatactagta tccttaatca 420
tttttattgg cacaaactaac ctctcggan tcctgctca ctcatctaca ccaaccaccc 480
aactatctat waacctarcc wtgggcatcc ccttatgarc sggggcagtg awtatagstt 540
tcgctcttaa aattaaaaat gccctagccc cttcttwaca aaagggatat tggtttttgg 600
aatacactnt tttctttgat tttttttaa 629
```

<210> 1075

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 1075

```
cggtgcccac cccggteccc gccccagac acgcccgggt ctcggggcac cacagccatg 60
tgctcgttag cgtcaggcgc taccggcggc cggggcgctg tggagaatga ggaggacctg 120
ccagaactgt cggacagcgg ggacgaggcc gcctgggagg atgaggacga tgcagatctc 180
ccccacggca agcagcagac cccctgcctg ttctgtaaca ggttattcac atctgctgaa 240
gaaacatttt cacactgtaa gtctgagcat cagttaata ttgacagcat ggttcataaa 300
catggacttg aatttttatg atacattaag ctaataantt ttattagact taagaatcct 360
acagttgagt acatgaattc catatacaac ccagtgcctt gggagaaaaga agagtatttg 420
aagccagtat tagaagatga ccttttactt caatttgatg tagaagatct ttatgaaccg 480
gtgtcagtac ccttctcata ccccaatgga ctcagtgaaa atacatctgt tgttgaaaaa 540
ttgaaacata tggaag 556
```

<210> 1076

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1076

```
aagccggaag ttgggggatg acagcagcat catgatgctg gctgtggagt gagcatgggg 60
ctggcgctga ggccactctg cctcccatgg gtgggcccgc ttagctccyc ctctgcaaaa 120
tagggagctg ttgcaggaca tttcagagct actataagga ctgaaggagg ccccggggaa 180
aagagctctt gatataattaa ggcaactgctt agtagtgact atgcttactt tgcgagcagg 240
gaaaccgagg cctgggtagg acagaggggg gcacatgtgt ttactgccct ctccgcccc 300
gactttgggt ccatacagcct ccaccctgt gcgcccgtca agaatttggt ttccacgttc 360
tgctccccgg accctcccag cctaacctgt ggatcctgcc acacaaagat gggcttacct 420
```

696

<210> 1077
<211> 736
<212> DNA
<213> Homo sapiens

<400> 1077
gattcagtgt ctatttcctg aggaacccaa cttataacac gtagaataaa ctggccaaag 60
ttcttaattt tccaatttgt tgcaccagcc ccacgtgacc accaaaagct tttctgggtt 120
tccctttccc tcaggagaga cctctctcac agaccaagct tgatccttat tagtccatgt 180
ccagaatcag taaatgtccc tagaaaataa aatggccact tacctcagga ggactcctcc 240
ctctctggaa ttcccattca cctagtcctt attgctttca tagctctcac atatctttaa 300
atatgatctt tataattttt ccatcttttt ctagttgttg caggcaaagt tttaggctgc 360
catgacctac tatatcctat ttagaagtgg aagtctctag agagattttc aaaattacag 420
atgtgtggat attagctttt ctctaattt aattgaattg tggtgagaga aggtgttctg 480
tattattcaa atagcttaaa atttgctgaa atgggtttat aatcaaatat atgggtcaaat 540
ttaatagttc atgtactctt ataaatatgt attctcccat tgttgatgc aatgcccttt 600
gtatgttcat gggatcaagt ttgttgactg ttttgtgtaa atctatatgc aaaatcttga 660
tttttgtcta cttgatctgc ttctgaaaga ggaacaataa aacttccac tgctacggta 720
aaaaaaaaa aaaaaa 736

<210> 1078
<211> 899
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<400> 1078
agggntggaa cgccgcagg taccgggtccg gaattcccgg gtcgaccac gcgtccgccc 60
acgcgttcgc tggtcggcta tccattcatt ctccatacag caactagagt cattctttta 120
aaattgcgga cctgatcctt ccatctccca gctgaacgct tttcatttgc ttctgttct 180
catgagtatg ccaaaatgta ttctgggcta ggaggccctg aggaatttgg tccttccctc 240
ctccccctc gttttctgtg cttegccctc actggcttgc ctttcttttc cttaaataca 300
tcatgttctc tcctatttta gatccttttc cccgaaggta tggaaacatt atttctgtaa 360
gcttattctt ctatatagat gggaagtttt taaatcagat aaggttctaa gggcatgtgg 420
acaatttacg ttatcatagt attgttcata acgtccatca ttattctgta gactgtaagg 480
gcttacttag ctctgtgaag aattatcctt caaaaagcat ttttaaggta ttagtattgc 540
taatctataa actttgtgca agaagtccta aagtcaatag caacatttat ttaaagtaca 600
gtttgtcata cttaataaac ctctgggtata ttttcttta ttatgcttgt taâaaacaca 660
gtataaatgg gagaatcat taaagatcat taactccaag gctgctggat gttaggaccc 720
ttaagcatat ttaaaagatt gattgtaatc aagaataact tgtatcagat tgccttccag 780
tgattcacat ttattagttc aaccagttac atacctgtag caagagacca gtttatttgg 840
caataaaatt ggggaaggaa tcaagactta aatgaggaaa aaaaaaaaaa aaaaaaaaaa 899

<210> 1079
<211> 2215
<212> DNA

697

<213> Homo sapiens

<400> 1079

```
tataaaagaa caaactggat gtggaaaggc tacttgcca agggcacact gctgctagt 60
atggagtcca aagttcacat ctgtctgcct ctggaacact catctaacta aagatgaaaa 120
caccgttctt catctttaac ctggcagaaa ctgctcacat gccttcaaaa gtgaaagctc 180
aactctacgc tcaagcatat gacctttata aggagattgt ctatttacia aaggagcacc 240
cagtgaattg gcacaagaac tatgccatcg cctgtgagcg gatgctgctt cttcaggcaa 300
gagatgcaga tcctgaagtg ctgttatcgg aaaccatcag acatttcctt ctgtactctc 360
agaaagcacc gaatgaccca cagcaagctg atatttttagg tgctctaaag cacctaagaa 420
aagaactgca aagtctgaga aataggaaaa atgtctgaga cagcaaaaata tgaanaacct 480
gtctatcggt cagcttccaa aattctgaag tctggaagtt tttccttcaa agaaaagaaa 540
ctgcataaaa aatttaaaac taagtcattt cccagatata agtatcatgg tccagcagta 600
ctgtttaatg gggatttcag tgactaaggt ctgtatttta tgcaaaattc tgtttatccc 660
gtgttaccaa attaccattt cagtgagaag cttttgaaaa gtcttctgac ttccagtctt 720
tcaccagatg actgcactgg attagattct agaagagaat gaaccatttt catataacta 780
aatattgggtc atgaactgtg taagggccat gcttattggg atcagtttta aagttaaatt 840
cttttgatat taataccaga ccaaagacat tttctgtttc ctggaaaaaa aaaatgaatc 900
atgttaggct ttaggtgaga gtacattttt tacaaagtag ctatagttgt tacatagtct 960
tacacttcaa gctaaacacc aaatgggtga tattttgaaa aaagtttggt ttttactgtc 1020
ttagatcggt cttggaaatc actaaaaaaa aaaaaagtta atttgatgtt tgcttatttc 1080
agttgcasaa actggcgagt aaaaaagatt ttgcatttac ttaattaatt ttatatttat 1140
gttttatttc tatttgact cagagatcta gaccgaattg tatagctcct agactccaag 1200
cactatatag gccctgtat agaatgctc actaatgaag agggagggtt agaagcttgt 1260
ctgcattcaa agatcactgg tgagtcattc agcaagaaaa ggccccttac caggaatagt 1320
cacagttccg tggcattgta ctagcaaaaag ggtctgatca aaggctcctt gtggagcttg 1380
catggttccc tttcatacta cgaccataat taaaaccact aattctcttt taaaatgctg 1440
caggatgcca tgtaggcac tgtctggagt gtcctttgtg atgtcataag ctgttaagga 1500
ccagtgccga gggcttttga gtgaaatgcc agtcatgaag gtgcttcaag acaagggtgc 1560
ctctaaaagc ttgacagggc cttgactgca caattcgagc tgaatttgcc ccttgctcagc 1620
tgccagtaaa taaatctcaa agggggaaaa gctgaagttt cattacctga tccatggggc 1680
tttgttgggt ttggcatcac acaggggaag ctcttgcccc tccattctct ggatttgaag 1740
atgtccattg gagcctgcag tgccctggaca gggttcagag cggaaccttt tgaagagtgt 1800
caatagttgt aacagttcag ctgttaggaa gacaaataaa tggaggagct cattaatccg 1860
cttttggtct tcagtgcctt ttgccctttt atcacagcct tattaggctc ctactcatct 1920
tgaaccagaa aaaaatgaat tgaagttgtt gagtactaat tggcaaagac ttttaatcat 1980
gggccaagaa ctttactga cttgaaagta acttctccac aggggaaggac caaaaacctg 2040
gtttacctta aaacaaaaac ctgttgaggt tcagcgtggt gtaaaaaatgt aaggaagcat 2100
tgataaattg tctaagttta tccatttgaa agaaattgtg taagattatg atattctctt 2160
ttctttaaaa aaaaaagtac aataaaattc aaacattcct taggaaaaaa aaaaa 2215
```

<210> 1080

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

698

<220>
 <221> misc feature
 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (374)
 <223> n equals a,t,g, or c

<400> 1080
 acaaaagctg gagctccacc gcggtgncgn ccgctctaga actagtggat cccccgggct 60
 gcaggaattc ggcacgagga gcctgcagga cacagtcaga agaaaggaaa agccattaac 120
 attgggcagt tggtagatgt gaaggtttta gagaagacca aagatgggct ggaggtggct 180
 gtcttgcccc acaacatccg tgctttcctc cccacatctc atctgtcggg ccacgttgcc 240
 aacggcccat tgttacatca ttggctccag gcaggtgaca tccttcaccg agtctgtgt 300
 ctgagccaga gcgaggggcg tgttcttctt tgcaggaagc cagccttggt ctccacagta 360
 gaaggtggcc aggnctccaa gaacttctca gaaatccatc ctggaatgct gctcattgggt 420
 tttgtgaaga gcatcaagga ctatggcgtg ttcattccagt tcccctcagg tcttagcgga 480
 ctggccccaa aagctatcat gagtgcacaa tttgtgacct ccacaagtga ccactttggt 540
 gagggccaga cagtagcggc aaaggtgacc aatgtggatg aggagaagca gcggatgct 599

<210> 1081
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (618)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (628)
 <223> n equals a,t,g, or c

<400> 1081
 ggaaatttga attgaatctg aacaggaaat gagtgcagtt gcttgccact taagaaatga 60
 aattaacctt ttccgaatat cttttgaaat ctgcgctttg atgatgctga agctttggat 120
 tatacatctg cttatttcga taaggtgcac ctaagtctct tcatctcatc agtattcttt 180
 tgctatcaaa ggcagttgat cagttttgtt cctcaatatt ttttttgcaa atatctaccg 240
 aagttttttc aaatttttat taaaatgcaa gtcattgtag agatgccagt ctatgccttt 300
 atgcttgcca gtctcaatta agacttgatt gagctgcagt actttaaaaa ggattagaag 360
 agctattgaa tgacttaatt tattagaagt ttttaagtga cagcatttct aattattcaa 420
 gtgcatttat ttttcatgaa aaaaggtaga atgatttgtt ctgacataaa gtaaatagtg 480
 ttgatgcatt agaaattgtg tgtcttgatt atgatttctg tactttttgc attagaagta 540
 taatggactt gtatttttaa atagttgaaa ctagcactgt gatcatatta aataatgcat 600
 tycycagttt gggacctnca gatagggntt ccattgttga aa 642

<210> 1082

699

<211> 570

<212> DNA

<213> Homo sapiens

<400> 1082

```

gtgttctgag taacagtcag tgtataaaag gggattgcag aaaaaaatga gggcttgctt 60
tactcaacag aaaatatggc ccttcctgaa tgacactagg agagtcattt tatctcatatc 120
attcccttca tttcgttggg ggacatttgt tgaaaccggc actcaatggg caaaccgtct 180
gtgccctcca gttgctgaca gtccctgcagg aagatggaca agaggcccag tgctgacagt 240
cacacgactc tcaactacttg aatgagggga ctgtgggtgc aactagaaaa tatgttgatt 300
cttagccatt cccaccttgc ctctccgttc agaaccacag ctgcgagctg tttgtttccc 360
tgcctggaaa tgatgtttta ggcagggttc ttaatttctc aggtctgtct cagataataa 420
aaagctcttt gtatgagcct cagaactgtc tcttcagtga atgaaattac cagtcattat 480
acgaagggac tttaaaaaat ttgtggaaat actgaagtaa aagatgataa aaaaataaaa 540
amwttatyt c ttggctggga aaaaaaaaaa 570

```

<210> 1083

<211> 675

<212> DNA

<213> Homo sapiens

<400> 1083

```

cccttccagt catgaaactt catttgtttt atccatatcc ctgaggactg tgtagacttt 60
atgtcagttc tgtgtagact ttatgycagt ttttgtcatt atttgaaaat ctattctgac 120
aactttttta ttcctttgat cttataagtt aaagctgtaa caactgaaat tgcatggatc 180
aagtaagcat agttttatcc agggagaaaa ataaaaggaa gccatagaat tgctctggtc 240
aaaaccaagc acaccatagc cttactgaa tatttaggaa atctgcctaa tctgcttata 300
tttgggtgtt gttttttgac tgttgggctt tgggaagatg ttatttatga ccaatatctg 360
ccagtaacgc tgtttatctc acttgctttg aaagccaatg ggggaaaaaa atccatgaaa 420
aaaaaaagat tgataaagta gatgattttg tttgtatccc taccatctc ctggcagccc 480
tactgagtga aattgggata catttggttg tcagaaatta taccgagtct actgggtata 540
acatgtctca cttggaaagc tagtactttt aaatgggtgc caaagggtcaa ctgtaatgag 600
ataattatcc ctgcctgtgt ccatgtcaga ctttgagctg atcctgaata ataaagcctt 660
ttaccttaaa aaaaa 675

```

<210> 1084

<211> 628

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (535)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

700

<221> misc feature

<222> (620)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<400> 1084

```

gccccggtgg cgcactatct gacctcacag ttctatgccc tcaactacag cctccggcag 60
cgcatggaca tcttgatgt aagtgcctcc tgggcctcag tccccctggt ctggcccaag 120
ctgccttaag gtggggctgc caaacctgg gtctccttgt tgctgggccc caagggctcg 180
tgcaggcctg tccactgcct tcgtgagtgt gtgacccggc aggactcagc agtgggggag 240
tcagggtctc cggggcagag agttttgttt gtttaaaata acagctttac tgatataatt 300
cacacgccat aaaattcacc gctttagggt aaaatgtgtg ctgcgaggt gaggggaatat 360
tatttagcaa wraaaaaaaaa aaagggcggc cgctctagag gatccaagct tacgtacgag 420
tgcattgcac gtcattagct ttctatagtg tcacctaaat tcaattcact ggccgtcggt 480
ttacaacgtc gtgactggga aaaccctggc gttacccaac ttaatcgctt tgcancacat 540
ccccctttcg ccagctggcg taatagcgaa gagggccgna ccgatcgccc ttcccaacag 600
ttgcgcaagc ctgaatggcn aatggnac                                     628

```

<210> 1085

<211> 1356

<212> DNA

<213> Homo sapiens

<400> 1085

```

tcgaccacag cgccgggttt tttatgcayt wgagtcttgg atcaagtayg atgtacaaga 60
acgycagaaa tacttagcac agytactwaa yagtgtmga ttaccattgy tgagtgttaa 120
gtttctcact agactatatg aagcaaatca tcttattcgt gatgatcgca cttgtaaaca 180
tcttttgaat gaagccctaa agtaccactt tatgcctgaa catagactct ctcatcagac 240
agtcttgatg acacgacctc gctgtgctcc caaagtactt tgtgcagtag gagggaaatc 300
tggactcttt gcctgttttg atagtgtgga gatgtacttt cctcagaatg actcttggtat 360
tggtttggca cccctaaaca ttccctcgcta tgaatttgga atatgcgttt tagacaaaaa 420
agtatatgtt ataggtggta ttgcaactaa tgtgcgtcct ggcgtcacta tcagaaaaa 480
tgaaaattca gtggaatgct ggaatcctga tacaataact tggacttctc tagagagaat 540
gaatgaaagc cgaagtactc ttggagtagt agtacttgca ggagaacttt atgccttagg 600
tggttatgat ggacaatctt atttacaatc tgtagagaag tacattcca aaataagaaa 660
atggcaacct gtggcaccac tgacgacaac aagaagttgt tttgctgcag cggatttgga 720
tggaatgata tatgccattg gtgggtatgg tcctgccac atgaacagtg tggagcgtaa 780
tgatccaagt aaggactcct gggagatggt tgcattcatg gcagataaaa ggattcactt 840
tggcggtgggt gtcattgctag gctttatttt tgtggtgggt ggacataatg gagtctcaca 900
tttgtccagc attgaaagat acgatcctca tcaaaatcag tggactgtgt gtagaccaat 960
gaaagaacct agaacaggag ttggtgctgc tgtaatcgat aactaccttt atgtcgtcgg 1020
tggctactca gggctcttct atctgaatac agtgagaaa tatgatccta tctcagatac 1080
gtggctggat tcagctggca tgatatactg tcgctgcaac tttgggttaa ctgcactttg 1140
acaaatgtga actctcgga atagtatggt ggtgaaactt gtactgcatg aacatccgga 1200
tggcccagtt ttctgaaacc cacaagctgc attgctttct ttttaacttg aagtagcatg 1260
aaggctcaaa agttttgttg ggtactttta attgagaagt agttttggtt gctcttgatt 1320
acacagtaaa tcaataatca aaaaaaaaaa aaaaaa                                     1356

```

701

<210> 1086

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1086

```

gcaaacattg gacatctctg acatattttt tctcgttttc agcttttcgg atgatccctt 60
atcccttgga aaagggggcac ctattttatc cttacccaat ctgtacagaa acagcagacc 120
gagagctgct tccatctttc catgaagtct cagttttacc aaagaaggag cttcccttct 180
ttattctctt tactgctgga ttatgttcct tcacagccat gctggccctc ctgacacatc 240
agttcccgga acttatgggg gtcttcgcaa aagctatgat tgacattttc tgctcggcag 300
agttcaggga ctggaattgc aagagtattt tcatgctgtg tgaagatgaa ctggaaatcc 360
ctccggcacc tcaatctcaa catttccaaa actgaactca tcacctctc tccccacca 420
ccaaaactgc tctctctct gtatttcetra cctccgccat ccacctcggt gctcaagcsg 480
gaaactcggc agcccttcca aactcttccc tctctcactc cccacatccc atcgtctcgg 540
ccttcacaat ctgtcagttc taacctccta agcaactagg ccttcagtaa atgtgattca 600
cctctctttt cctctctttt cccaaaagca tccctcttag tctaggtcct ttgttggttt 660
cttggcttga acttctggcc ataagtctta acttggggct ccc 703

```

<210> 1087

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<400> 1087

```

agccaaagtg ctggaattac aggtgtaagc caccacaccc agcaataaag cattttaatt 60
tgcttctatt gagacaatac cctagaagtt ttgcagtggc agtgtgatga ccaatgaggt 120
ttatctgagg tgcgattatt gctaattgaa gcagtgcctt ggaggtaact gaattcctta 180
tcagtttcat acaatttcag ggcttgattt tttatagggt acccagacaa ttcattcaag 240
ggctgcttta cttacggttc acatgtcatg taaggagcag tggttttgag cataaactct 300
attcctggga tttatcagat accccacttt tgacagggtc tggatttcac ttttcagatc 360
ctttttagga ttggcaaata gctttcttca ctgtccctct agccaaggac aaaaaagtga 420
ttccaacttc cccagcantt ttgggnaagc ccaaggcaga aggggttttt ttanggcc 479

```

<210> 1088

702

<211> 442

<212> DNA

<213> Homo sapiens

<400> 1088

```

tcaggccttc cctaacgctc caagcaccgc tggagccatt taatgggtga gggaacttgg 60
gtaagaggaa gatcaccccc ttctgtccc ctttctagga cccctcaagt gcaggtgacc 120
cttaattggt gagatcttca gcctcagccg ccgaccttcc ccttttgtcc agttttggar 180
ttcccgtttt ttccctgttt gctttcmgag tgtaaggctc ggccggtgag aaagatttcc 240
cccaaccttg attaatacagc cccctcccc aacttacttc ccttaggacg ggtagggctg 300
agggacctcc tctcctggaa agtgcttact ttgcctgggg aaggggctag acactgtccc 360
agggaaagta atagaagggt gaagaaatca ataaaatcag accaggacgg agggaaaaaa 420
aaaaaaaaaa aaaggggggg gg 442

```

<210> 1089

<211> 1074

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1055)

<223> n equals a,t,g, or c

<400> 1089

```

gcactcttta catctttcat ataatagagt cactagcttc tgtaccaatt tcttgtcttt 60
agtgtacttt ggtaaagttt tataattaaa gcacatttct atcttgaagt taccatccaa 120
ggtggtttct ggatgctagt ttaatgattt aaacactagt ggctcactaa ttcactagat 180
agtttttgtt ctgttttctt tttgctgcct gtttttattt ttataattac attggcatga 240
atttccactt ttcaatcttc taaggaatat ttgagatttt tgctttttaa acttaatat 300
tccttttaaa ttctggaact tcttaagttg acattttaat tttttttaa taaattctgt 360
agtgtcttta cagaaccgaa tattcttaat gtaagtataa gcattacaaa tccttgtaga 420
ataaatatth tttagcattgt tacgaagggt aaaaactggg ttttgttcac ttacatgtct 480
taaaattgcc ttaaaatgaa tacagaaatt tatatggcag cttctagtac agttgactgc 540
tttaacatgg cctgacatct agtgatattt ttctctctt caaattttctg ttttctagct 600
cttaaatatc tgtttctcat tcttataaat caagatgctt gtagtatata attctgagac 660
taattatctg cttttgaatt ttttccactg caattcataa aatgtgaaga tctgtgaaaa 720
tgctatggga aaactagctt ggggtcaaaa tatcttaacc aaatataccc tgtaggcttc 780
ccaagagtga ctgtctgaca gttggtgact gtagaagaag ctggttgggt gttttctggg 840
ccaaggaaat ttaaaatgtc tgcaatgtta tccatcatta ctttytgctg tcagaaggga 900
tggcagattg aagcttttct ccctatcgca ttttcagagt tgccgtgtca gagcttcacc 960
ttgggtaagg aaagatgggc aggaattctg ggaaacagaa ctctgagac ctacctctgc 1020
ctgcctaaaa atgtggactg actcagtatg agatnataac aagaaaacat ttaa 1074

```

<210> 1090

<211> 1163

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

703

<222> (159)

<223> n equals a,t,g, or c

<400> 1090

```
actgccccaa gctcaaggag atcaatttcc gtgggaacaa gctgagggac aagcgcttgg 60
agaagatggt cagcggctgc cagaccagat ccattcctgga gtacctgctc gtcggaggcc 120
gtggtggcgg gaaagggcaa gggccgtgct agggctcgna gaaggaagag agccggagaa 180
gaggagggag aggaagcaga ggcgggaagg tggatgatggg gargagcagg acgtgggaga 240
tgccggccgg ctgctgctca gggctctgca cgtctctgaa aaccccgta cttctgacagt 300
cagagtgagc cccgaggtcc gggatgtgct gccctacatt gtggggggccg tgggtgcgagg 360
catggacctg cagccaggga atgcaactca gcgtctcctc acctcgaga ccaagctcca 420
cgaagatctc tgtgagaaga ggacggctgc cacccttgcc acccagagc tccgtgccgt 480
caaaggcccc ctgctgtact gcgcccggcc cccacaggac ctcaagattg tccccttggg 540
gcggaaagaa gccaaaggcca aggagctggt gcggcagctg cagctggagg ccgaggagca 600
gaggaagcag aagaagcggc agagtgtgtc gggcctgcac agataccttc acttgctgga 660
tggaatgaa aattaccctg gtcttgtgga tgcagacggg gatgtgattt ccttcccacc 720
aataaccaac agtgagaaga caaaggttaa gaaaacgact tctgatttgt ttttggaagt 780
aacaagtgcc accagtctgc agatttgcaa ggatgtcatg gatgccctca ttctgaaaat 840
ggcagaaatg aaaaagtaca ctttagaaaa taaagaggaa ggatcactct cagatactga 900
agccgatgca gtctctggac aacttcagaa tcccacaacg aatcccagtg ctggaaagga 960
cgggccctcc cttctggtgg tggagcaggt ccgggtggtg gatctggaag ggagcctgaa 1020
ggtggtgtac ccgtccaagg ccgacctggc cactgccctt cccacgtga ctgtcgtgcs 1080
ctgacscag ggccgcctgt ccgcgttgtt ttggccggtt ttgcggaggt ttctatgcgg 1140
caatgctgaa ttatccgtta gat 1163
```

<210> 1091

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

704

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<400> 1091

```
agcnaganan ccaaccctca cttaaagggaa caaaagctgg agctccaccg cgggtgncgnc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagatt ttgagcattc 120
ctctgatatt tgaaaaggaa gtacaacagg aaaggaagtc tgaggatgga agctaaaatt 180
ggtatgaatt tatattttag agatcaaaat gtaccttatg ttgaaacctt tgtaagaagt 240
gatwatgtag aaagagtgaag agtgatagct cttagtctgg aaagcccact ggcttggttg 300
ggcattttctc atggcttccc actcaaagtg gatcccaaaa atcacttgat ggatttcctt 360
gctgattttct aagtaaaacta tggtttaaga aagaaatgac agggctcagc actgccctac 420
agtaccaaga atacaaatgt ttccatgaag tcttcaaagg catttgtaaa attcaggctg 480
taagtgatta gttagtccat tctgcactta tttattaact gtatattcag ttccaggctc 540
tagggtagag attatggata aagggtgaatt agatagatga agtttttgcc ctcacagcaa 600
aagcttttagc caataattaa agctatcact ggaagtgggt ctgtgccaat aacctagaga 660
agagcagtgc ttttagagtt gagctatatt cccaatcagt tcttaatggg gggtttaccc 720
ccttccctct acactgtctt ttcttgagat tggatcatgt gtgtgaaccc a 771
```

<210> 1092

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 1092

```
taggaaatca actgagtggg tgtttggaag aggaaggagc aactctcggg cagcctgccc 60
aaggaggagg gcaagttgca atttanaaga tgccatacgt cgtgtgacag ctcagagacc 120
tttactgagg ctggcaattg tctgaacact tgggttcagt tgaaatatat gtattttgcc 180
caaaagccaa gcagcmcttc acaaaaacaa aacacaamcc taagctaaca aaatgmctgc 240
attcgtctct tttttaaagg tagagattaa actgtataga cagcataggg atgaaaggaa 300
ccaagcgttt ctgtgggatt gagactggta cgtgtacgat gaacctgctg ctttgttttc 360
tgagaagagg tttgaagaca ttttattaac agcttaattt ttctctttta ctccatagga 420
acttatttta atagtaacat taacaacaag aataactaaga ctgtttggga attttaaaaa 480
gctactagtg agaaaccaa tgatagggtg tagagcctga tgactccaaa caaagccatc 540
accgcattc ttctccttc ttctggtgct acagctccaa gggcccttca ccttcattgc 600
tgaaatggaa ctttggtctt ttcagtggaa gaatatgttg aaggtttcat tttgttctag 660
aaaaaaaaaa tccctcccaa agtggggcaa aaagctttat atttatttga ttatccaaaa 720
tacagatcaa agtttagatc taaaaaaaaa aaaaaaa 757
```

<210> 1093

<211> 633

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

705

<222> (619)

<223> n equals a,t,g, or c

<400> 1093

```
gcaagactct atctcaaaaa taaaataaaa taaaataaaa taaaataatt aataaaatgg 60
tgtagtattt gcatataacc tatgcacatt ctcccatata gtttaatcat ctttagatac 120
ttataatgcc taatacaatg taaatgctat gtaaatagtt gttgttatac tgtattgttt 180
agggaataac aataagaaaa acagtctgta catgttccact acagatgcaa ccattgttaa 240
gcctgactac atctttttat ctgcagttga ttgaatctat ggatgtggaa cctgtgcata 300
tggagggtca actgtactat aaataatagc aatatgccaa cattatataa tcattgcttt 360
ctgcaactgt ttactataat ttcaaaatta atatcctatt aactgttcct ataaattatc 420
aaatttggca agtgtattac tagcaggaga tggaccttaa attatgacaa ctttatattt 480
tttgatagca tctcttgaaa aagaatttta atgattctaa taagagggtc tttttctttt 540
ttccatttcc ttgacaaata gtactcattt aaaaactaga gggctaggct tagtggctca 600
cgcctgtaat ctcagcacnt ttgggaaggc tga 633
```

<210> 1094

<211> 548

<212> DNA

<213> Homo sapiens

<400> 1094

```
gtcggggaca cattccaaga ggctaaaaag caaatttctg tacattagga gatttgtgag 60
tccttaggaa aggctcagaa gagggctcca cctagcacia tacctgacat agaaagtgg 120
cagtgtctgc agaatgagtc ggcatgaacc gtactttcct tggcagggtt attagggtgg 180
aaatacctgc agaataatgg gattgtacta ggggtttctt tggctttaga aaccatttg 240
tttactaata gattcccaga ggataccttg atctcaccaa gctatttgcc agaatgtctc 300
ctgatggcct cattgaagaa aggggggacta tgagccagat gctggtgccc tgaagatttg 360
tagtttgtgg gatagtctta acttggcagg gtttgattaa cagaatgaag tctgttcctt 420
agagggaagt ctttgcttgc tgccctgacc tgctggacac tgtaatttg gatgaggtca 480
aagaaggcat agttaccaca tttgcaggag accctaacct ggaaatagta aattacataa 540
cattcaaa 548
```

<210> 1095

<211> 860

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (636)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (758)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (768)

706

<223> n equals a,t,g, or c

<400> 1095

```
cagtgaacaa aattatTTTT ttaaagcaca taatccctag tatagtcaga tatatTTatc 60
acatagagca actaggTTgc aaatatagtt cagtgcatt tctagagaaa cTTTTtctac 120
tcccataggc tcttcaaagc atggaacttt tatacaacag aaatgTTgac agaaattgct 180
gtagTTtagg gttgaagtac tgtatgatgg gcagcaatca tgtattaact tagaagggga 240
aattgaaata taggaccgaa tttggTTTTa tcagTTTcca gagtactgct gccaacctag 300
acactgattt ttcagagTTt gaaatgtaaa tttcttcccg ggacttgatt gcacatgaag 360
ctggactgcg ttagtcatcc tgtcccaaag cgctgtgggg gccagggTgg aggtctcaag 420
gcattcTTta tgacctggcc attggatgta aaagaaaaca tattccatgc tgtggTTctt 480
gtatcttGtt tcatctctca ccattgaaag agaaagtcca tgtattgtct ccagcacatc 540
cttraaatgt tatactggga tggattactg atgcccacg gtagTTgagc ccagaagag 600
ggtagtagca tctctgcctc aggtgatgat ttgtancttg gccagaggag agcggagTca 660
ccagtatatc tgtggTccat gttgctagct ctggtaaaat taaaaatctg gtaagatgTT 720
tgtatcatta gtacactaga cagtaagctc tgtcttgntg ttttcaanta acctatattc 780
actTTtGttt gggcaaagac atttaaattg aaattcaatt ctaatTTttg ttaattgtgg 840
aaaggggTaa ttaacagatc 860
```

<210> 1096

<211> 1754

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1694)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1738)

<223> n equals a,t,g, or c

<400> 1096

```
ggagaaattg attcttcttc tctctttgcc aggaatagac atcaatgnta aagacaatgc 60
```

707

```

tggtctggacg cctttgcatg aagcctgtaa ctatggcaac acagtgtgtg tccaggaaat 120
tttgcaacgt tgtccagagg tagatctgct cactcaagtg gacggggtga ctcccttgca 180
tgatgcactg tcaaacggac atgtagaaat tggcaagctg ctactacagc atggggggccc 240
agtgtcttta caacagagga atgctaaggg agaattgccc ttggattatg tggtttcacc 300
tcaaatcaaa gaagaactgy ttgctattac aaaaatasaa gatacagtgg agaactttca 360
tgcacaagca gagaaacatt ttcattacca gcaacttgaa tttggctcct ttttacttag 420
taggatgttg cttaaattttt gttcaatttt tgatttatct tcagagttca ttttagcttc 480
caaagggtta actcatctaa atgaactgct tatggcttgt aaaagtcata aagaaaccac 540
cagtgttcat actgactggt tactggatct ttatgctgga aatataaaga cattgcagaa 600
actcccacac attcttaagg aactgcctga gaatttgaaa gtgtgtcctg gggtagacac 660
tgaggccttg atgataacat tggaaatgat gtgtcgggtca gtcattggagt tttcatgatg 720
atgctagaaa gtatggattg actttctaaa tctgttcagt ttgcattggt acttactgtg 780
gacttcatag cttactgaca gatagtaatt tgatttatct attgacagac tttgcagcct 840
tgctaaattt taaaagcatt tttaaaaaaa cttctacaaa actctagtat gggcttctga 900
ctttttccag ggtgtagaat ttgactcaaa agtaaaaaata attttgtttt agtatattct 960
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tcatggcaag catattcata caaatgcgta cctataaact tgtagctcct gactcttagg 1140
gatggatttt gagggaaaaa caagactaaa caaaaacatg tagctcccta tttcttctct 1200
ctaggttgtt ggactgaaat atgcatttta gctttgtgtg tttctaaaat aaacatttct 1260
aaaatttaca gtaataatta atattctttt ggttttttaa tgcagcaaat atgcagagtc 1320
tgacagttca attccttgat ctgttttatt ttagcaattc atatacaaaa tgtatctgtc 1380
gctgccctat gtaaccagat attctgtacc tgaaaacatt ctgctgcata ggtttatgag 1440
tttaataatta agatattgag tggcataagt aatagatttg agattattta agatcttaat 1500
atatagtatg aatttactga gtagtaatgt ttttaatttg agnttttctt tatagcagtt 1560
tgtagtaaaa ctaaaagaaa gggngtggat aataaccact tttgagattg gagtttcttc 1620
actactggga gtaagttaca ttatgatata ggtggaaaat aaacacttcc atttagcttt 1680
tatgtaattc aagngatgac cttagcagtt aatctgctaa agcaatacac ttcagttnta 1740
ttttggaaat agat 1754

```

<210> 1097

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (765)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (768)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 1097

708

```

aggattattc cttctcatct gctgcaatgg gtcaatgtgt taaggagagg agcgagacag 60
caagaaccgc attcattcag tcatacagrc caaaaggagg aatgtcgccc agccctctaa 120
actgaccagc aaccagatc atgtytcaac tgctacctct cctacttaga aagaagtaac 180
tccaccaaag cagggttctg ggacaaatat ttttttattg atcatataca aatagatgaa 240
ggatggactt ggatgttaag aaaaataata ctatacaaaa tcgagagtag acagttgccc 300
ctagacttaa attaaaagtg tgcacattag ataatttaac ccaatgtatc aggtaaaaac 360
ttgaacaaac cttttggcct cttccttaaa attcagggaa gcatgtcctc cacaaaacag 420
aatcaaaata taaataaaag actgccttaa gacgaaagga aaccttacag atgaaaagaa 480
gccagatgag aggcacttaa ctaagaatga aaagaaactg agtggacaaa ataattatga 540
gaagatgaac cttcaaatca gaaagaggga aaaaagctta tttgatacta tgggaactca 600
aaagagagtg aacacaaatg tgaaaattcc aagagtgaag aaaagtatca taactacatt 660
tagagcatga gaaaaagtat acaattttga gtaataagaa cagaaatcaa aagtaactat 720
tgtatgctgt atttttagtag agcaacmctg aagaagaaag gaaancanga anta 774

```

<210> 1098

<211> 164

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<400> 1098

```

aattcggcag agctgtcacc caggctggag tgttgtggca caatcttggc ttattgcagc 60
ctcaattcct gggcttaaac agtctctcca cctcagcctc ctgggtagcc ggaactacag 120
tcacggcact tccatgtccg gataattttt tttttttttt tnag 164

```

<210> 1099

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<400> 1099

```

ggcagctaag acttcagtaa aattgggggt ggggggaggg ttgacatttt cgcactgcct 60

```

709

```

gttacgtgcc aagtgccttt tgtaaggac ataatgtttt tractgggga tcatgttttg 120
ctgatgtaaa tattaatgcc aaaataggag ctaggatgaa agtaacactg taattagtag 180
tagaatttat ttcataatga aatgtgtcat gacgtaattt ttatggcttg gctcaagcaa 240
caattttcag agtgcacgta agtatcaacg cgtaaaaactt aacattttac agtggtattt 300
ggtattattc tctatgaagc tgtctggatc ggtctccttt tcccattggg taattgggta 360
atgctcagat tttggctcct agaatcgatc tgtgtgttcc cggctcttggc atctcattat 420
gtcatttgct gkattttttg atatatatt gtacgtgcaa attgargtga awttgttggt 480
ttagattaag actgttggga ctcaagctac aacgaggtgt ctctgngngt aaaaaaactg 540
gcagttttta gatttgggta aatcccgnnc cccggg                               576

```

<210> 1100

<211> 829

<212> DNA

<213> Homo sapiens

<400> 1100

```

aaaaaaaaa aaaaaaaga atatccctgt ggcaatagtc tgatgggtgt tggacacaag 60
aaaagttatg gttttgagtc gtgagtgttt gctagggcac ggcactcttc agtttaacag 120
ctgateccatt aaaccttttc tgacatttgt gccttggtct catgctagaa ttaatgctgg 180
atctttctct catttgacca tcaatgtagt ttactttatt gaaaggaaaa aagacttaac 240
acaagatagg aaagatgagt atgagaagta aaacattctg ctgggggtgct acatagaagg 300
ttaggttgta ggggctttga ttttaattta aacttattat cgattgatat ttctgtatct 360
cactaaatgc ggttgaagag tgtgtgtgtg tgtgygcgcg cgcgcatgtg gccaaaaaat 420
agtgccataa tgtcaaatc ttcctttgct ctgtttttga gagttgatga catcaggcac 480
ttttcagtggt ttggggaaat tgattgggat acctccccc aaccaactca agtctgtaac 540
tggaagccag gtggttgggt ttctgggtccg ctttgccttc tttcttttac cgtcatccta 600
ttcaccagca cttaatgtaa gtagatgttt tagaattgca atattttatt gtttagtatt 660
tgtcatcctt agaaatgtta atgatgtatt ttatattga taatataaat ttrgtacag 720
tatgtgtgta tatgtatttc aggatgttat agtattgtac tttgtatgtg atgggttttg 780
tgtcttcata ataaatatgt ccctttttaa aaaaaaaaaa aaaaaattc                               829

```

<210> 1101

<211> 1020

<212> DNA

<213> Homo sapiens

<400> 1101

```

gcgggagtgcc gccacgccgc gcgtggggct gtgggtggccg cggctctcag atatatattt 60
gccatcatgg atcagtttgg agatatatta gaaggtgaag tggaccattc tttctttgac 120
agtgactttg aagaaggaaa gaaatgtgaa ctaactcakt ttttgacaag caaatgatg 180
acccaaagga aagaatagat aaagatacaa aaaatgtaaa ttcgaacact ggaatgcaaa 240
caacagaaaa ttatcttact gagaaggga atgaaagaaa cgtgaaattt ccccagaac 300
accctgtaga gaatgatgtt acacaaactg taagtctttt ctcatgcca gcctcttcaa 360
gatcaaaaaa attgtgtgat gttacaacag gacttaaaat acacgtgtcc attccaaata 420
gaattcccaa aattgtaaaa gaaggtgaag atgattacta cacagatgga gaggaagca 480
gtgatgatgg gaagaaatac catgtgaagt ccaagtccgc taaaccatct actaacgtta 540
aaaaaagcat aaggaaaaag tattgcaaag ttagctcttc ttctctctcc tctttatctt 600
ctcatcttc aggttcaggt acagattgtt tagatgcagg gtctgatagc catctatctg 660
attcgtctcc gtcattctaag tcatctaaga aacatgtatc tgggtataacc ctctgtcac 720
caaaacacaa gtataaatca ggaataaaat cgacagaaac acagccttca agtactacac 780
caaatgtgg ccactaccct gaggagtctg aagatactgt gactgacgta agtcccttat 840

```

710

caactccaga cattagccct cttcagtcct ttgaactggg catagcaa at gatcaaaaag 900
 tgaaaattaa aaagcaagaa aatgtgagcc aagaaatata tgaagatgtt gaggatttga 960
 aaaataattc aaaatatttg aaagcagcca aaaaagggga agaaaacttg ggccctgttgt 1020

<210> 1102

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<400> 1102

aaattctcaa atatgggaga aattttnttc ttgagaatta tctgagtc at taatattttt 60
 caaaaacagc tctcactgac ttgaacctct tctgtaagct ctaacctttt acctgcttta 120
 catttccact tgaatgtcta gtaggcactc cttgaccaa aacagctttt gattcctgtt 180
 ctccaacctg ttcctctcct agttttctcc atctcagaaa tgttacttcc tctgcaaagt 240
 ctttccctga cttatctaaa ataataacct cctctgtttg ctgtgggaat ttgtatagaa 300
 tgggtgggaaa atttcaagtt tcatatttgg attagctctg acattttatt atctgaacac 360
 tggtaattgc ctcagtaaag acactgataa taagtacctt ttagagttat tttaatcttt 420
 aatgctttaa tgtgtaggaa gagtatagtg tcctgttttg cacagaaagg cattctgtaa 480
 ataataagtt gccttaattt tcctgtaatg ttcattatat tgttgtggga aggtatttac 540
 tcctattatt aaaaataaaa atgtgtaaaa tttaaaataa caaaaaaaaa aaa 593

<210> 1103

<211> 1429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 1103

tgncaggta actttacact tacaatgaat tcatggattt tgtagcagc attggctttc 60
 tcaaaaggac aaactcaata tcgttataaa atataattcg tgatcacaaa ttatacaaaa 120
 atcagtagaa acagtttttt atgttcagat taaaaaaaaa aacttgggat aattttarat 180
 ttacaaaaaa gttgcaaaga tacatggaga gcttctgtga ccactcacc agttccccca 240
 gtgttaacct tttattttaac catgaagcat ttgtcagaag ctaagtaacc agcaatggca 300
 attactatta acggaacttt gactttattt ttcagattgt actagttttt taattaatgt 360
 catttttctt ttccaggatc caatctagga taccacactg aattagtcgt catgccta at 420
 tagcctctgg tctgtgatag ttccacagtc tttctttttc ataaccttga cagttttgag 480
 gagtactggg cagggtgttt gtagaatatt cctcaatttg gggttgtctg atgttttctc 540
 catgggttaga gtgggggttat agatttttag gaagaatacc agagggtgaag gtccttctca 600
 ctgcatcatg tcaggagtta catgctatca gcttgatggg gtattaaact tggacacttg 660
 gttaaggtag tgtgtgttgg ttttttctg ctgaaaatta ctgttatttt ccctttccat 720
 acttctgttc tttggaaaac agtcactaag tccagtcatg ggagggtgtg ggtgggaaag 780
 attacattca accccctgga agtgggaata tccatatgta gtatttggaa tttttctata 840

711

```

tggaaaattt gtttctccct cccaccctaa tttgtttaca tcagtatgga ctcattgtata 900
ttttgtattt tgggtaacac agtattttatt ttgttgctta agttgtccag cttggctatt 960
aggagttctg ccagggttggc tactatgtcc ctttgatgtg cccatccttt tgatttttga 1020
gcacttctta ctttctggca ctacaagatg ctccagggtc atcttggata ttcctgccc 1080
caaccctaga atccctagaa tcaaccctg ctccaaagag ccctgggtcc tttgttgga 1140
gaatcatact tagaaaccaa gatctgggca ttagatgtgc ttgttgctac tgggatgtca 1200
ctgtttgtag cagagttgag aaatatgtat gtatattaat ccatgcatat gtacacatct 1260
ataattattt atgtgtgtac aaagctaaac atgagtttgt actgccgtct tcaactcaaa 1320
atttgtccca aaattttgtg gcatatgttt agattttaaa gttgatattt tccctattga 1380
cagaataaac tcattaaaag agcaaaaaaa aaaaaaaaaa aaaaaaatt 1429

```

<210> 1104

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (709)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (714)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (716)

<223> n equals a,t,g, or c

<400> 1104

```

ngttgagtta tttagaattt tatctcaagt gaaagctgat ggattcatct gctttggctg 60
aaattaaact tatcattagt ctagctagca ttccagcatg atattgcaag cacttctcat 120
tgctaaaaat aaataaacca aagttaacc gaatcagtta gggaaagtga tttaaacttt 180
atttaaagag gtattttcta attatgcaca gatattctact ttatacaaat acttttatatg 240

```

712

```

gctatttttg agaaaaccct cacattttta tgtttatgct agggatgaac ctgaaaattc 300
tattacgttt atttagattt caaaggcaaa tattgattcc tatgctctgt ggtttatttc 360
ttttttctat tgctttcttc tcccttgagt cccttgaagg cagggaatag acttctagaa 420
aacctgagag gaaaaagaat tctttttaca ggaggcagca gaaaactgtc tgaagggtca 480
attgttttat ctcccttttc actctctttc caatttgggn ttggtgggc tgaagaagaa 540
aaagaaattt tatgtatgta tgtgtaaata tgtgtatata tttctatctc ttgctacaat 600
aattccaact aagtgaactt ctcaattatc atcatactta cttaccttat attaacanat 660
taagatgatg ctgccaaaac aagtctagca gggaaaacag gttctacant tttngnaaat 720
aaattaa                                         727

```

<210> 1105

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 1105

```

atgtctgcag tatanatagc atagacattt ggtgtgaagg gaggagaaag gaagtagtag 60
ttctgagaat attcatttga acagagtgcac tatggaagaa tgaatagcaa aaaaaggaga 120
atttttttaa aaagatctct cactgggaaa agaaaaagtt atgcatttat aaagtaatta 180
aactggtttt ccttgtagctt tattaatctg aatctaattg cacttcctta cgagggtttt 240
cagatgtgct tgtagttaat ggcaacatta tcagaatgac tacacagaca gtcctactct 300
gaggagatga ctttggaaga aaccattttg gaactacaca ccctgctatg tctgtggaga 360
aatggaactg caatcctcaa gagtcacact tcatattcct tcctttcaag tggttgataa 420
aaggtagtgc ttcaagcaca ggatttatgg aatagttggc aaattaaaca acatgctttt 480
tattttgact accattttaag tggaatcttt gaactttttt tttgacatgt gaatctctaa 540
tgtggtgaga gagaaaaaca taaaaatata aaaacattca aaaaaaaaaa aaaagggcgg 600
ccgct                                         605

```

<210> 1106

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1106

```

ggggtgcacc tgcttggtgca gtcagcatgt agctgccttt ccatttcatt ctctactggg 60
ctaaaaattg cagctacaag tgttaccatc ttgaagcagt ccacttccat tcaatttttt 120
tttttttaatt ttagaataac agtgtcccca taccaaagga agcctgctag ctcatattcat 180
gtataaattt cccatcttca aacagttagt gtgtatttgt tgctctgggc acattctgca 240
taaaagaaat cctcttaagc ctatgggtta gaaaagcctt gaagtttata ttcagttaaa 300
atatatgtcg gtggagatag ccagtgtctc taattttgac ttagtttcat acagtaaagc 360
ctaaatgtga aacgcacacg ctggaagata ttgttcctat caatattttg ctttttataa 420
caagggtttg ttcatattga tgccattttt gcaggatttc ttcgtgattt ctgtccatat 480
gaaaatgctg acattaaaca ttaacacatg gagaccgtgc cctgtggccc tgccgtggct 540
gccagcatgg tctgtgttcc cttgtggatt cactgtgggc cctgtgtgtg ccaccagcat 600
ggctctgtgc ctctgtggatt cactgcagct gtcggatgcg agtttctgtc ataactattt 660
gtttcctgat acaattgttc ttattctttt ccaaaactgt aaaataatct cctccctcaa 720

```

713

atgcaaaggt tgtttttggt ctgtttctgt tttctttgaa ataaaattat aacgttaaaa 780
gaaaaaaaaa aaaaaaaaaa aaaaa 805

<210> 1107
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<400> 1107
acactatatn tagggacanc tgcccggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgtactgcc ctttttyaac ctcagatgtg actttcatta taggaagttc tcaggcattt 120
tctcttgga taatacctct tctctcttct ctttatgtcc ttgtgccgca ttctgggtta 180
ttcctttagc tctagggtta gttcactaat tcttccttta gctgtatttc attattggtt 240
aagctgtcca ttgcatttta aactttcttt caaatatctt ccttccctt cctttccctt 300
ctcttccctg cctgcccctg cctgcccctg cctgcccctg cctgcccctg cctc 355

<210> 1108
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 1108
cccacgcgtc cgggttattt gtattttacc tggcaaccct atgttgagc ctcttccct 60
gctgcagcca acaggggtag aggatctgag ctgcttattt gtaactgaaa gtccatggga 120
ctgcttttat ttgggggaat tttctgtta actgtcatta tgaaagtgat cacgatgaga 180
gattcagatt tatttttaaa attcgggtga ggaatatctc ctcattgatt tagatctttg 240

714

```

atTTTTttca tcagagggtt tgytttctg ctatagattt tgcatatctt ttgttagatt 300
tataacctgaa ggTTTTgtct ttttggaatg tgtgtttttg cacgtgtttt gctaantgt 360
ttttaaatc caaattttat tgcttggcat ataacaattt gaattttngg tatattaacc 420
ctggtgaaaa ggaacaaaa anaacct 447

```

```

<210> 1109
<211> 802
<212> DNA
<213> Homo sapiens

```

```

<400> 1109
ggttacctcc tgaatcactg tatatgccat gttttgcgat aagattgctt gcattttctg 60
ctcaacaatg tgtatcttct gtttgggaaa gcactagtga tggattactt tttaaagcaa 120
tacatttagc ttgcaaattg tgccctttaa aaaaaaata ggcagacttt tgagggccaa 180
gaaggaagct gtccagtttt ccaaaaatcc tttttccctg ctatcagaaa tgtgaaacca 240
aatTTtagcaa ccaagattaa tgaaaagatg ggTTTTccat tagtgctgtc cctatcttgt 300
tcttggtttt gttatgtcct tccccctaga ctgtatcccg acaaaatgtc ctagtaacaa 360
attgcttttt aagctcctgt tctgggaaaa ctaagcatta aaattgatta ttctaaaaca 420
taaagtggac taaagccatc ctattttata attttcta gcaaagtgg ttagtataga 480
gttaacactt agaagtttat agtttactgt ttttattctt atgtactgta aggaccatat 540
ttgagttttt ggtctattcc taccattgtt tctttgtggg gaggagtgg ggcggtttgg 600
gggattgggt tttttttttt gtttttttaa actacaggta tttgtaaaac aatgtttggg 660
ttcaaacaaa ttagttgtta aacatctgta atccagtttt ctgtaaatgt tgctgttgtt 720
ctaagctctg ttaatgttaa gcattctttg tatataaaat tacaataaaa tgttaaaact 780
gaaaaaaaaa aaaaaaaaaa aa 802

```

```

<210> 1110
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

```

```

<400> 1110
aaaatgcaaa gctgattttc atgtttatat atattcatac cttgatatat tgcaatttta 60
gagtttctgc agtctgtcta acttggctgt ttgttcatag gccagatcaa actaccctca 120
ttccccaaaa cttggattgt gaagggatta gtgccccaga actctctgtg ttactggcag 180
ggcaaaatgg gtaggaatag tctggcttag ggaaaaagac atattttctc tctaacacaa 240
ctggcagata ctgaagtggg caggtggcaa gaaaaggcaa gtactgagct gattcagact 300
tgcagaaagc ttctctcct ccttcttagc aaaatgaaag gctctgggaa aaggcacctg 360
cctttccctg ccttgaggat cctggcatcc ttgagtcttt attgaanatt aatttaatga 420
cttgggtcaac aatagcatta cctaatacaca gagcatca 458

```

```

<210> 1111
<211> 754
<212> DNA
<213> Homo sapiens

```

715

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<400> 1111

```
tatagggaaa gctggtacgc ctgcaggtag cggtccggaa ttccccgggtc gacccacgcg 60
tccgcaaatt cttttgtcaa atttgcaa attgagaag acacaccatc ctatcacaga 120
cgttatgact tttttgtgtc tcgattcagt gccatgtgcc attcctgtca tagtgatcca 180
gaaatacgaa cagagatacg aattgctgga attagaggta ttcaagggtg ggttcgcaaa 240
acagtcaacg atgaacttcg ggccaccatt tgggaacctc agcatatgga taagattgtt 300
ccatccctcc tgtttaacat gcaaaagata gaagaagtgt acagtcgcat aggccctcct 360
tcttctcctt ctgcaactga caaagaagag aatcctgtgt tgctggctga aaactgtttc 420
agagaactgc tgggtcgagc aacttttggg aatatgaata atgctgktag accagttttt 480
gcgcatttag atcatcacia actgkgggat cccaatgaat ttgcagttca ctgctttaaa 540
attataatgt attccattca ggctcagtat tctcaccatg tgatccagga gattctagga 600
caccttgatg ctctgtaaaaa agatgctccc gggttcgagc aggtattatt cagggttctgn 660
tagaggctgt tgcattgctg ctaagggtca taggtcgaca gtgcgaagct tcataccttt 720
gaacatcgcg ctcagcgtga tcgaacaatg attc 754
```

<210> 1112

<211> 624

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (591)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 1112

716

```
ggctctgagc tggctgccgc ttccaagaca gtcgctttga gggctcttgg caccgatttt 60
gttaaaatgc atgagcttag gggtgtgcag cctgtagggg caggggtggg ctcagaatgg 120
atgtgtgggc cccaccgtta attaaagctcc tgacccttgg gccggtgggt aggtgggaag 180
atgagcctgt gtctcccatg ctgagccaag atcctcaggt accagtagcg gtcaaagcac 240
ctgctccctg aaggaagctt acctggctta gcctcattcc tgctcgtaag tcaggcattc 300
agcttgcaaa gatccccaag cacacaagga gagtcagctg actgagggcc aacagaaaca 360
gcaggcagcc gctgtcagcc acaaagaaac gcagatcctg aaactgtcat catacagggtg 420
agaggatagt tatgtgtgag gtgttcaaag aaagtgcgcg agtcagtgat gagaaagctg 480
katgggtaca tactgtcacg catgaatagg caggactcct taaagaactt tttgggaaat 540
gaaaaacang ccangtgcaa tnggttcattg cctataatcc ccaacacttt nggaggccta 600
aagggggagg atcactttga ncct 624
```

<210> 1113

<211> 660

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (658)

<223> n equals a,t,g, or c

<400> 1113

```
ggaggggaaa agccctcct tggcaccccc tcttcctga ctgctgtccc ctaccacacc 60
ttgccccctt catccttttg cgtttggtat tgagactctc ctagactcta ctctcttttc 120
ttttgtatgg acagttcccc ttcagtccca tccccctaca catacaccca gccggggcca 180
aatttatact tatataaaaag ttgtaaatat gtgaaatttt atccctgtgc cctttcccca 240
cctcaggccc tacccttgga cctcccccaa ccttccttct ctcttctttg gctgttgtaa 300
ttatctgggg tttgtactgt acatatccgg ggtgtgtgtg tgtgggctgg gggcaaccct 360
tctgtacaga gcttcctggc cccctcccc cccgccctc tgcttcctc cccaccacc 420
acctcaaggg tagggagttg ctcttcctac ctgttttatt ttgttttctc gttctccctc 480
cccacccac tcccagcctt atctatcccc cctcactgtc cccttttctc cactcccagc 540
cccatttctt ttttttctgg agtgtgtggg gaaacagaaa aaaacatgtt taataaacgg 600
agattgttct tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaanc 660
```

<210> 1114

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (508)

<223> n equals a,t,g, or c

<400> 1114

```
ttttgaaatg tttttgattg ttttatataa sctagagtga ctcccttac ccttatttag 60
atctgcata atagttctag tatgaagttt aatagttaag gagttagcta tttgttatct 120
ttaagagtag ggtattgacg tgaacaattg cagtattttg catgatactg ttttatagat 180
gaccttttag gaaagtgggt catttattaa ttgaactgaa gaagtagttc agttgaattc 240
agtatcataa ttcacaaatt ggaggctgtt gatattgatt catttaaggt ttaaaatctt 300
```

717

tattaattgc aaacagtgc attatttata cttcacagtg ccttcccaga cttccacct 360
taggttctgc tgcaaaaagc accaggtaag cmcaacctaa ggacatatat aaataaatat 420
ttcaatrcat taatgttgtc cctgtgaggt ttttgtgggt gtgtattcaa aggcaatctg 480
ctactgcttc cccaaaatgt attttgnat tttatgc 517

<210> 1115
<211> 886
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<400> 1115
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caaagtcctt tgctcatgcc caaggccaga ggynactcat gctgaaacat taccatctcc 300
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gacaacgttt aatgactcag tctccgcctg cacagagcct ttgagtctag agggagacac 780
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<210> 1116
<211> 315
<212> DNA
<213> Homo sapiens

<220>
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<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

719

<222> (598)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (636)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (686)
 <223> n equals a,t,g, or c

<400> 1118
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 agaagaaggc acacgcatgg tgagaatccg gcctgagccg aagcggagtt tgctatggac 120
 agcaaccatc aaagtaatta caaactcagt aaaactgaga agaagttcctt aaggaaacag 180
 attaaagcca agcatacttt gctgagacat gaaggcattg agacagtatc ctatgccact 240
 cagagcctgg ttggtgccaa tgggtggttg ggtaatggtg tgagtcggaa ccagctgctc 300
 ccggttttag agaaatgtgg actggtggat gctctcttaa tgccacctaa caagccgtac 360
 tcatttgcaa gatacagaac tacagaagaa tctaagagag cctatgttac cctcaatgga 420
 aaagaagtag tggatgattt aggacaaaag atcactctgt atttgaattt tgtggaaaaa 480
 gtgcagtgga aggagttgag gcctcaagcc ttaccaccag gactcatggt agtagaagaa 540
 ataatttctt ctgaggagga gaaaatgctt ttggaaagtg ttgattggac agaagatnca 600
 gaccatcaaa actctcaaaa aatccttaaa acacanaaga gtaaagcatt ttggttatga 660
 gttccactat gagaacaaca atgtanataa agataagcca ttatctgggg gtcctt 716

<210> 1119
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (265)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (276)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (347)
 <223> n equals a,t,g, or c

<400> 1119
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 gtaggttggt gcctgtctga ttataaaaga ctaggctcat gtttttgctt taaatgtttg 120
 agattatggg cttatacctt agtgcttctg gggcaatctg aacattgttt gctttgtaaa 180

720

ataattttctt ttagagtart ctcatgccaa atttactggc ctttgattca gtacagttgg 240
 gtttactgta tgtagtaaar ttganaccct gcgtanattg gtctcatgtt agcattcttg 300
 gggaagcttt gaaaaatttc ccaagttaaa aattccagaa attgatnttc cccagatctt 360
 ta 362

<210> 1120

<211> 1248

<212> DNA

<213> Homo sapiens

<400> 1120

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 aagaagcagt ttactctaga ctaaagagta tattggggga ggaagagagg gaggcacgta 120
 tgaacaagca atgagaagac caggaaaaga aagagctgaa aatggagaaa gccacagtta 180
 gaactgttgg atacaggaga agaaacagcg gctccactam agaccggccc cccggttkga 240
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 ctctgagaat ccaaaccatcc tggagagtat ctgagaacca accaagtaaa agtctcgttg 540
 ctcataatata gtagacaaag agccagaaaa ttaactgaaa agcagtttag acattggggg 600
 aggcyggatc tctcgagctg tcttgctgag tgccctgtgt gtaagtccta ataaacttag 660
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 gtcagcagac agcaagagga cttgacatgg ggtcggccct gcttggggcc agcgtacact 840
 gagggaccga tgacatttca atgaaactcc aaatgctata ttggaaacgt tgatgtgtga 900
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 agatgaacca gcctgcagtc aagagacccc atctctctga gcctcagttt cctcatcagc 1020
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 gggctcccct aggtctctggg tgccctgactt ctcttctca tgattcttct tccaggctct 1200
 cagggagcta ggcctccatg gcccttctg cttactctcc agactgcc 1248

<210> 1121

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1121

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 gatcataact aggcttgaaa atcactacac atattttctg ccttgagtga acatttttag 180
 aggaaagggt atgccatctt tttaccctaa ccactgatat tctggtttagc agggccagga 240
 caaggggaag gaaatgagg tcaacaaaaa aatcaaattt ttaggaaaag ataagatgaa 300
 tgttactgat ttttctttt ggctgaggct gcaatatggc ctggcaaggc actgktactg 360
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 tattgcatta aaatatcatt tagcttgatt atcgagttt ttggtttgag gttttttgtt 480
 gcttcttttt tcttttctt ctttccccct ctttttttgg gatgtcccct taaattttgt 540
 cccaaggcag gtacctcact catctcatcc ttggctcagc cctgctgggt agtatttagt 600
 atttatttta gtaagatatt tgtgtctgta tgatggtcag agttgaactg atctggcttg 660
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721

aaa

723

<210> 1122

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1122

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aggggtaacc ctatctggag agttatttct cttttgaaaa atgcatccat tcagcatctt 180
caagagatgg acagtggaca ggagccaaca gttggaagtc agattcagag agtagtgagc 240
atggctgcct tggccatggg gtgtgaggcc atagaccaga agcctgagct gcagctggac 300
tctctccatg ctgggcccct ggaaagcttc ctttcctctc ttcagctcaa tcagacgctg 360
cagaagcccc acgcagagga gcagagcagt tatgctcacc ccttgagtg cagcagtgtt 420
ttggaagaat cgtcatcttc ccaaggatgg ggaaaaatag ttgcacaata tattcatgat 480
caatgggtgt gcctctcttt cctgttgaaa aaatatcaca cccttatacc aaccacaggg 540
agtgaaatte tggaaccgtt tctacctgcc gttcagatgc caataaggac tttgcagtct 600
gcactagaag ccctcacagt tctttcttct gatcaagttt taccagtgtt ccattgcttg 660
aaagtgttgg ttcccaactt ctgacttctt ctgaatcact ctgcatagag cttttgacat 720
ggctggaaaa tatatcttct ttaagcacac tcagctgata ttctgggcta attaaaagct 780
tt

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<210> 1123

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1123

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ctagttctag atcgcgagcg gccgcccttt tttttttaa gaaacacttt ttattttgaa 60
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cccagtggtg acaactgtag tataatatca attctgggaa attgacattg gtacaatacc 180
aaatatacta tgcctttttc tctaaggcat gatgttgag tagcatcctt gtacatgtag 240
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aacactcagc ttaacaaaac atgcagattt ttgctgatgt gggagaaaat attaattatt 480
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taaactcttt ataaaaggaa attaacatt tgattgtcat atgttgtgaa tttttttacc 660
attttgactt ttgaatttat gtctttttta tgaattgtag aagtttaaaa tctttatgga 720
ataaatttat ttagtttttt gttaaaaaaa aaaaaagaaa aaagacaa 768

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<210> 1124

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (52)

722

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<400> 1124

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gagcggaagg tgcggggggg ccgaggcccg tgacggggcg ggcgggagcc ccggcagtc 180
ggggtcgccc gcgagggcca tgctgctgtt gggggacccg ctacaggccc tgccnacctc 240
ggccgcccc acangggccg ctgctgccc ctcc 274

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<210> 1125

<211> 1135

<212> DNA

<213> Homo sapiens

<400> 1125

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catccaggca ggcgaggaga agctgtgatt ccccccattc ctctgagggc cggcggatgc 180
tggatccgga gccccagggt cgcggccaga gcggtcctgg acaaggccag accaaagcaa 240
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cattgccttc ccaaccttc cagaggttt ctgtgaaagt ctcatgtcca agttccgtct 360
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gcttataaat ggaaccagag cagaagtccc cagactcagg aagtcaacag agtgggcagg 540
gacagtggta gcatccatct ggtggccaaa gagaatcgta gcccagagc tgccaagtt 600
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aggtaagatg ccgcagcccc tgctccaat gtgctggttc agccggggca gtgcccattg 1080
gaatctggca aggtgtttaa cagtgtgggc ttgaaagtc aaacaaaaa aaaaa 1135

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<210> 1126

<211> 446

<212> DNA

<213> Homo sapiens

<220>

723

<221> misc feature
 <222> (435)
 <223> n equals a,t,g, or c

<400> 1126
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 atgaaaaccg cttgatgcaa gatgaaattg ccagggtcag gctggaaaaa gacacaataa 180
 aaaacccaaa cctggaaaag aaatacttaa aagactttga aattgtgaaa agaaagcatg 240
 aagaccttca aaaggctcta aaacgggaat ggggaaacat tagcaaaaac gatagcctgt 300
 tatagtggac agcttgctgc tctgacagwt gaaaacacaa cgctccgttc cmaactggag 360
 aagcaaagag agagcaggca agactggraa cagaatgcat cctaccttgt aggctgatgc 420
 tggtcgttgt gttcnggttc aagtca 446

<210> 1127
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 1127
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 gactgcattt agctgcttca gtgacacttt gatgaaagta tggagaagtg gagacattat 180
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 aaaaaataat ctagaaagta agtttccaga gcaaatctga cctagcattt ggtatgctag 420
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 gataaataaa tttggttcta gtttaaaaaa aaa 573

<210> 1128
 <211> 2229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (872)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1968)
 <223> n equals a,t,g, or c

<400> 1128
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 ggctgctggc ctccgggtgc ggggtggggg caggctccga cctggggcgt cctggcagcg 180
 cgagccgcgg gatggggggc cgggcccggg aggaggcgcc gctgctgtgt cccttgggtg 240

724

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agagggcgct gccggccctg cgcggtttcc agccaggaag cttcgggaag cctggacgtc 300
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gaggtgactt cgctgtgat ggacttccag tgtgagcact ggccagagt accaggctga 420
ccagcaccag ccctgateca gatgcagagg ccaggatgtg ggcccagccc tgtgccagga 480
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cagcaggtgg cacccgaggc caccgtgcgc cgcttctct cgtgccgaat tcctgcagcc 2160
cgggggatcc actagttcta gagcggccgc caccgcggtg gagcaccagc tttgttccct 2220
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<210> 1129

<211> 949

<212> DNA

<213> Homo sapiens

<400> 1129

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agtgtaaaaa actccggacc ctggatctgt ggagatgtaa gaatattact gagaatggaa 180
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gaaaactcct ggaatcttgt aaagatcttt ctttacttga tgtgtccttc tgctcgcaga 480
ttgataacag agctgtgcta gaactgaatg caagctttcc aaaagtgttc ataaaaaga 540
gctttactca gtgacttaat atatgttctg tattaaaatt aatgtgcttt gttgggggtt 600

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725

aattttggga ttggttttgg gttttgtttt tagttgtttt aatggtaaga attaagacat 660
ttgtagattt taaagaaaaa tatgaaattg tccattaaat caagtaaaaa tgtgcacaaa 720
tgttttcata aaatactgca agcactttctc ttcaagaata tgagtggata ttatttttac 780
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atcatgctaa cttatttttca aaggaacact gagcaataaa gtatcgtggc atttatgcaa 900
aaaaaaaaagt taatttttta caccttcatg taaggatgtc ttattaaag 949

<210> 1130

<211> 1418

<212> DNA

<213> Homo sapiens

<400> 1130

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tgacatcttg ctttagcaca tgtacagtac agtttctatg ataattgtgtt tgctctaact 600
tccctggctt ctcttcagc ccattccactc tcctctagag cagttgggtt ggaggtcat 660
tgaggcaagc agcaacattg gagggggagc agggcagtc tgtgtctgct gcctcccatg 720
cccgttctga cctcagcctt ggaactcctc aagaacctga agattccagt ggtcagtgct 780
ggtggggggg gggaggagag agcggcagag aagctctgag agcccttcc ccacaacaa 840
atctagctct agttgttata tttaggcaaa actttgtagt cttctttccc ttttatgatg 900
gattttgata aaagtacaaa acagggtttt tcttttttat cacctttgaa tttggaaatt 960
ttgagcaccc aagctcttct gtacctatct aaagtccacc aaggggactg cagctcctag 1020
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ctctgcccga aggacgacga ggattgctcc agggctgctg ggtagtttac cgtcccttct 1140
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tgctcctac atccagctctg ttcttgttca tagtgagaat cctgtgttcc cacttcagtg 1260
acacctgaat tgtttgttgt tgtttttttt ttttattgtc ttcaaagagg aagggcccca 1320
ttaaagggtg aacttgtaat aaattggaat ttcaaataaa cctcatgtac ttgtgtttat 1380
aaagaaraaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1418

<210> 1131

<211> 1662

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1656)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1661)

<223> n equals a,t,g, or c

<400> 1131

```

aacacatcag wactcataca ggagaaaggc cctttaagtg tcccttcgaa ggctgcggtc 60
ggtccttttac aacatcaaat atcagaaaag tgcacgttag gacacacaca ggagaaagac 120
cttattactg cacagagcca ggatgtggga gggcatttgc cagtgaaca aattataaaa 180
accatgtgag gatacacaca ggagaaaagc catatgtttg tacagttcct ggggtgtgaca 240
aaagggtttac agaattattcc agtttgtaca aacatcatgt tgtccacact cattccaaac 300
cttacaactg taaccactgt gggaagacat acaagcagat ctccacgctg gccatgcaca 360
aacggacagc ccacaacgac actgagccca tcgaggagga gcaggaagcc ttctttgagc 420
cgccccagg tcaagggtgaa gatgttctta aaggggtccca gattacgtat gttacagggtg 480
tagaagggga cgacgttggt tctacacaag tagccacagt aacccaatct ggactgagtc 540
aacaagttac actcatatcc caggatggga ctacagatgt caacatatct caagctgaca 600
tgcaggccat tggcaacacc atcacatgg taacgcagga tggcacgccc atcacagtcc 660
ccgcccattg tgcagtcac tctcagcag gaacgcactc tggtgctatg gttactgctg 720
agggtacaga agggcaacag gttgcaattg tagtcaaga cttggcagca ttccatactg 780
cctcatcaga aatggggcac cagcagcata gccatcactt agtaaccaca gaaaccagac 840
ctctgacctt agtagcaaca tccaatggca ccagattgc agttcagctt ggagaacagc 900
catctctgga agaagccatc agaatagcgt ctagaatcca acaaggagaa acgccagggt 960
tggatgatta atcctcagaa caatggagca ataaagcaga aggagtcttt catcttctgg 1020
cagcagaaat ccatgaagcc cggggccagg aaaattagaa gttttccatt cctgatacac 1080
tgtacacatt tttatgcgag agtggagaac attttattct tgacactttt gtgtatataa 1140
cccttggaat agattctcag agtgattcat tgtgtacaag gaagtatgaa attagggcaa 1200
tacagtaaat tttcatgtta ctcttttacc agatcacaaa ctccettaggt ctacatgcaa 1260
gactagtaaa gtcttatgga gtcttatgat ggatttttaa ctccccgtgg aaaaaaaaaa 1320
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ggtttttggt ctactatatg cttgtccatt tttatttgta tctcatgggt tgcagactgt 1500
ttgaataatt tatagtttcc catccctggt aaaaaccagc tcttcaagct gaaatgctaa 1560
ttatattggc attacattga attatgtaca aaattataaa atttggttat ttaaaattaa 1620
aaagttaaat ccaaaaaaaaa aaaaangggg ng 1662

```

<210> 1132

<211> 387

<212> DNA

<213> Homo sapiens

<400> 1132

```

ggcacgaggt ttttaaagat agggtcctgc catgttgccc aggcttgact tgaactccta 60
ggtcaagtga tctctccatc tcagcctcct gagtagctgc gactacagga accagccacc 120
acacacccat gtccaccac cttagggtta atctttgtta ctagccctca ctactcagaa 180
ttggtgagac ctctccattt ctgcttcact cagcttacgt ggtttgtcga cactgacacc 240
aacaacacc tgtcaatccc tatgtccctc ctgtcttcca aaaataccta gaaattgctg 300
ctctattgac ggtagtattt cttgttttct agtgttgcta ttatttgtct attgtactcg 360
gttttgcat ttagtcacct gaatgtc 387

```

<210> 1133

<211> 82

<212> DNA

<213> Homo sapiens

727

<400> 1133

tcgacccacg cgctccgggtc tagatcgcgga gcgggccgcc tttttttttt ttttaaactg 60
ttctgcactg gcaaaaaaaaa aa 82

<210> 1134

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1134

ggagaccaga gtggggaggaa ggcggggagt ccagggtccg ccccgaggcc gacttctctc 60
tggctggcgg ctgcagcggg gtgagcggcg gcagcggccg gggatcctgg agccatgggg 120
cgcgcgcgcg acgccatcct ggatgcgctg gagaacctga ccgccgagga gctcaagaag 180
ttcaagctga agctgctgtc ggtgccgctg cgcgagggtc acgggcgcat cccgcggggc 240
gcgctgctgt ccattggacgc cttggacctc accgacaagc tggtcagctt ctacctggag 300
acctacggcg ccgagctcac cgctaactgt ctgcgcgaca tgggcctgca ggagatggcc 360
gggcagctgc agggggccac gcaccagggc tctggagccg cgccagctgg gatccaggcc 420
cctcctcagt cggcagccaa gccaggcctg cactttatag accagcaccg ggctgcgctt 480
atcgcgaggg tcacaaactg tgagtggctg ctggatgctc tgtacgggaa ggtcctgacg 540
gatgagcagt accaggcagt gcgggccgag cccaccaacc caagcaagat gcggaagctc 600
ttcagtttca caccagcctg gaactggacc tgcaaggact tgctcctyca ggccctaagg 660
gagtcaccagt cctacctggt ggaggacctk gagcggagct gaggtctctt cccagcaaca 720
ctccggtcac ccctggcaat cccaccaaatt catcctgaat ctgatctttt tatacacaat 780
atacgaaaag ccagcttgaa aaaaaa 806

<210> 1135

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1135

gagctgaagc tgctgtcggg gccgctgcgc gagggctacg ggcgcgcgcg acgccatcct 60
ggatgcgctg gagaacctga ccgccgagga gctcaagaag ttcaagctgg tcagcttcta 120
cctggagacc tacggcgccg agctcaccgc taactgtctg cgcgacatgg gcctgcagga 180
gatggccggg cagctgcagg cggccacgca ccagggtctt ggagccgcgc cagctgggat 240
ccaggccccct cctcagtcgg cagccaagcc aggcctgcac tttatagacc agcaccgggc 300
tgcgcttatc gcgaggggtca caaacgttga gtggctgctg gatgctctgt acgggaaggt 360
cctgacggat gagcagtacc aggcagtgcg gccgagccca ccaaccaag caagatgcgg 420
aagctcttca gtttcacacc agcctggaac tggacctgca aggacttgct cctccaggcc 480
ctaaggaggc cccagtccta cctggtggag gacctggagc ggagctgagg ctcttccca 540
gcaacactcc ggtcagccct ggcaatccca ccaaatcatc ctgaatctga tctttttata 600
cacaatatat gaaaagccag cttgaaaaaa aaaaaaaaaa 639

<210> 1136

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (427)

728

<223> n equals a,t,g, or c

<400> 1136

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gtccggaatt cccgggtcga cccacgcgtc ccaaaaaaaaa gcaaatgctg aaatcctatt 60
ggcaaagtaa actgaaattg gctgctatat tttatataat catttctgca aatccccattt 120
tttgaatact aatatttgac atgggttaatt cttattaatt tgttggaatt gtttattggtt 180
aataatgcaa atagataatt ttttaattatc cacaagtaac atttcactgt taatgggttg 240
aaataggtga taagcaaacc aatttgaaat aaaaataaaa catgtgccat tgtattataa 300
cactatacac tttcttgaca gttaaattta aaaaaaaatt ttttttggtg gcatgtattg 360
tatatgttta tagtatatgt agtaataaaa aatatggcca aaaaaaaaaa aaaaaaatta 420
ctgcggnccg acaagggaat tc                                         442
```

<210> 1137

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (647)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (652)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (668)

<223> n equals a,t,g, or c

<400> 1137

```
aacaaatggt gtcacttgaa ataccaaaac aacatttctg agcggttggtg agggactggc 60
aaagcaatca gctactataa caaatcagta grrataaacc tcccacacca gatatgcatg 120
cagaaggaat ggagtattat agagacttga tacaatggac atatgcacat ggaggtacaa 180
aacacacagt ctaaatacaa atgaattcca tcagatttac tatacggaac atcagtagtg 240
acagattgca cttcttactt aataacagca aacttaattt ctgaggggaa aaaaatggcg 300
aagtcttatc ccaaacaaat agcaagagag gtatcatcaa gagctaaaat tttctttggc 360
atggtaaagg gggaaattga gtttaccac ttatttacat gacatttctc tatattggtg 420
agtaatgcaa tgccattttg ttacataaag ttgtttgatg ttttttaata tgccttcata 480
taaatatttt attcaatatg ttgtatttgt gaatttaaca aatgatatta aacacaaact 540
acaatgcaga caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggnggc cnttttaaag 660
gntccaantt tac                                         673
```

729

<210> 1138
<211> 558
<212> DNA
<213> Homo sapiens

<400> 1138
gcccacgcgt ccgatcttcg agctgaagaa attgatccag tttactttga tcttcaccct 60
ggtcagggcc atacaaaacc tgaatactat tctcctaatt tccttccatc ccctttcagc 120
tcttgggacc tacgagatat ggccctgctt ctgaacgcag agaacaaaac ggaagccgtg 180
ccccgagtgg gaggacttct tgggaagtat atcgatagac ttattcagct tgagtggctg 240
caagtccaga ctgtacagtg tgaaaaagca aaggggggca aagcaaggcc cccactgcc 300
cctgggacct caggggcact gaaaagccct gggagaagta agctaattgc tagtgctctg 360
tccaagccac tacctcacca ggaaggggct tcaaagtcag gcccttcccg aaagaaagct 420
tttcaccatg aagaaatcca cccatcacat tatgcatttg agacttcccc tagaccatt 480
gatgtgcttg gtggtaccag gttttgttct cagaggcaaa cccttgaaat gaggacagaa 540
gaaaagaaaa aaaaaaaaaa 558

<210> 1139
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 1139
gatcatatgg taagcgtacg tttagtttag tttttttttt tctttttttt ttttktttnc 60
yggggttaga agcyattcga aaagtccagt ttcygtccca gtgtagcaaa atgtagttcc 120
tcggttgttt ttcttttaa at gctttataat ttacactac ctttttaata taaaacctc 180
attcttcatt ggataacttg aaggctttga tttctttaaa aatttaaatt ttagtrtgta 240
tattactttg acagttccct catctttgag atgcactgat cactgtgctt gaaaaagaca 300
atactgaaga ttgtactatg aagtttattg aataattttc ataaattatt tatccaaatg 360
agagattttt agatttttgt attctgctta gttttaaaaa aaaaaaatag tagtttaaaa 420
gagaggctag taagtttgat gctattcttg ccaaacaac tcagccaaaa tctttaaagt 480
aacaagaggg aaaaggatga ctaatcgctt tgcttctgag tacattttcc aaaacgttg 540
aaagaaactt ctgaattgaa atcttgaaat tattgaatct gtcaaggtag acagcgggtgc 600
ctttgtaaat gtctactact ttatttaatc aggtgataag tgggtgaaat tagcagagct 660
taagaataga actcaattat cactttttgt gaacaagttg gaattgtcat gttactgtgt 720
aattgatttg ctttacaatg aacaataaat ttaataaaat aaaaaaaaaa aaaaaaagg 780
cgcccgctc 789

<210> 1140
<211> 830
<212> DNA
<213> Homo sapiens

<400> 1140
ggaacacagt ttgtaagttc acatttacta taatgggcca aaaccataac ctgccagttt 60
gcaatacatc ttgatctttt aatattctta tctgatattg tgtaattcaa ttcctaaact 120

730

```

gatagttacc ttgaattttg cgaaaagggt tgggtgggtt tttttaaaca tgaaattgag 180
ggatctcatc tgggcgaaca agaagagaaa gctgtgaatt gtactgtatc atgtacattc 240
ctgatttaat actttacaga acattttatt cagatatcaa tttgttacat aaacatttca 300
gcaatgatac aaagataact gataaaatat attacattca atgagggttt ctttaciaat 360
gctctacttg aggtctgtgt cttaaagatg gcatgacacc taagtacaag acatcaactg 420
aatgaggatt ttaaaaaatg gtatataagc ataggacaag ggctatgttt gtttggtttt 480
caaaagtgtc ttgaagataa cagccttttag gtttgagtta tttcactttt cataattttt 540
aagtagctta tatataatgg tgggtaccata ggatttttct ttttcaaag actgtcggca 600
gaaacagtgg gcaactgact accttttgag ttttagcaga gaattattta tttctttaca 660
atgcactttc taaccattg tagctatatt agcattatct tttaaaaaag acatgctttt 720
gtattttaat attgtaggat ttaagtgkct ttctcaaaat agcytattcc tttctgaaag 780
aaaatgaggg aaatactctg aattatttag agacttaaac ccaatattta 830

```

<210> 1141

<211> 1110

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1108)

<223> n equals a,t,g, or c

<400> 1141

```

catttaatac tggagtttag cacatgtgat tagtggctat ggtattggac aggggaaggta 60
cagaatactt ccatcaacat agaaaattct atcagtctag ctctaggggc agatagtcct 120
tccactgact tgggcaagtc actctacaaa tggcatctac ctacatgggt tatggtgaga 180
attcagcgta tgtatgtaca tgcaggcaca caatatgcac acagacacat aacatagtac 240
accctttcct gaaaagcctg acacatggag ctcaaactg agtgccaccc acccctgggc 300
agcaccaaga tggtcttagt ctgggtgcct ttgtctcacc cccatgcctt tgctcggagt 360
gtgctcctca tttttctgcc actttgaccc tgtctctgat ttggtcctgt ctgacatcac 420
tgctatatgc tttgctctc tcaatttcct ctgccctcat gccagcagga gtcatgccag 480
agatcatatc tgagaaagca agacaatttt gtgtgtgtgt ctgtgcccac agaggagtgc 540
tggttggtgt gatatagttg tagattgggt gtgtttacac agttgtatat attgacaccc 600
ttgagtgtta tgacttcttt tgggggtggt cgccttttaa atcataactt ttaatgggat 660
tccatttttag tctttgtgaa gacataaggt tggtggcagg catctgtccc tgggagcacc 720
caagcagaaa agactaagac tccctttagt acagatcact ggccgccact gaagtgtgtc 780
tgcattggac cacagggtcg gaagaccctt gaaggcagga attcaaggaa atgtatgatg 840
aattttggca ttgccatcaa aagcagaaca ggcattgaaa acttgggtga gtgggcgaga 900
caacctctc accacagcag agttccatcc atgcctggat aatgakggag ggatttgtgt 960
ccactgcagt ggggaaccat gaaggacaca tcaaggtgtg ggttggcctg tgggtgctctt 1020
tggaggaatg aataaaaatg aatagaaatc ctaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaggnntt 1110

```

<210> 1142

<211> 406

732

<400> 1144

```

aaaagtgtag ttatcgtaac atcaccttga aacaactttg ttactgggat acatttaatt 60
aagcaactac catgaatgta gtcgggtacct tgccttacgt gcttcagtat atatgttggt 120
cttggttttat gtacaggcta aatttgkaga ttgaatagca gaatattagt tctgwtctta 180
tagggcctac tgstgtattc agagttatga agctacgttt cttctgcgtt tggctgcacc 240
atgaaatcct aagaagacct aaaccc                                     266

```

<210> 1145

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<400> 1145

```

gcatnaaatg caagtataaa acattccaaa ttaaaataga atatgcacat tgttcaaagg 60
caaaactctt accctactat atatatttta catccctcat tttttcccc tctaaaatgc 120
attggtattc aggattagaa tctgaatctt ttgctataaa gttgacatac atnggtttta 180
atcccttgaa agttcagtaa agacctaaaa ggaaaagcat cctaccacac cacactcatg 240
ttgtatgtgc aactattata gtggcttaga gacactagtt cgtgttcttc gtttctatat 300
tagtaaagat gttagaggaa attaatctgt ttgttgcac agggtttaat gtgaccatgt 360
tgkataacta ttctgaaagg taagaagttt ttcactggag tacagtcact ggctgagaac 420
atttaagttt ttttttgaag catacacagt taacaactat tgcaggaaga actctgaatt 480
aaatttcagg cccagagttt tgatttaaac tccaaaccct tggaaaaaaa gactgctgga 540
aaatatgaaa gaacccttcg tttcttaacc cccacaagtc cttttattgc acttactttc 600
atgtatttga ggatgagagg agcttttaat caacaataat tcactaagga ataatgcaag 660
gtgggtctatt gtaacatttt atgatattat tgccttgga ataaaagata ctgaacaatg 720
taaaa                                             725

```

<210> 1146

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<400> 1146

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ccccgcgtc cgcccacgcg tccggttcaa aattcaacag tgtatgtcat tgccttctct 60
ataggggtacc agtcgtcctt cacactatca tgttttatgg gatgataact gctttactgc 120

```

733

agatgaactt cagctgctaa cttaccagct ctgccacact tacgtacgct gtacacgac 180
tgtttctata cctgcaccag cgtattatgc tcacctggta gcatttagag ccagatatca 240
tcttgtggac aaagaacatg acaggttaata taaaagcata acaggttctc acccaaatcc 300
cmatattgtc tgcattggtag gattttcaak ttccacaagc tattaacgga rctmgygat 360
ccatgtkaaa aatgatgama gaactgactg cccaangatt cctatttgaa aatatattgg 420
tctaggctca tttag 435

<210> 1147

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1147

gtgttaatgt gtgtgtatgt gctttggttg taggaaaact tgaaaattcc aaaatcctta 60
ttttcctatt tgagaggctg gttcagcagg gtgtgtgtgt gtgtgtgtgt gtgtgtgtat 120
gaatgggtata tttattacat ttttttgaag gagaattagt gtgttatgtg gataatgtta 180
tatacagcca aagtggatgt ttctrttttg caaggaaggt aggatttctg aaactcaggc 240
cttaaccaat aggttgaag acaagaccaa ttgaagagtt aggaaatgtg agtttttgtt 300
acttctgtta ttccagtctt ggtttcattg tctcattctt tttttttaa atcttgtgcc 360
taaaagtttt tttgcctaat tatgaagtag acatgcatgt ttacatttat gtaaaatatt 420
tgctgtgtaa agtatttttt gtttattctc ttaaaagatc actatattta aataaaagtg 480
aaggtcagca acmcaaarar aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 533

<210> 1148

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<400> 1148

tgacatggta ggcacgcct gtagtcccag ctactcanga ggctaagggtg ggaggatcac 60
ttgagcctgg gaggcagagg ttgcagtaag ctgagtaagc caagatcatg ctattgcact 120
ctagcctgga tgacagagtg agacctgtc tcaatgaaaa agcagggggc actkggaggg 180
ggaaccaaatt gccctatcct ccagttctca gcatatagaa gggagctctc tcactgtcta 240
gccactcctg cctcactgtg ccatgcttct tgtaatgcac tctgggtcca gggactgctt 300
ggcaggagng tgggaagaac aagaagtta gggccttccc agtttcttag ggctgtctg 360
gagagggaac tagcgtttac tgagtttcta cgatgt 396

<210> 1149

<211> 540

<212> DNA

<213> Homo sapiens

734

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<400> 1149
gagaggaaaa ggaatgaaga aaaatgaata gatcttcaga tacctgtgag acaccctcaa 60
gtgtgccaat gtatacctaa cgggagtccc agaagacagg agagaaaaaa agaaagaaat 120
aaaaagaata tttganttta aaattgcttg aaaatgtctc aaatttgatg aaaaatatta 180
ctctgcacat tcaacccatg aactataagt tgtataaaat caaaaagttt cacaccaagg 240
cgtgtcatag ccaaactgtc aaaagccaaa gacacagaat cttgaaagca gtgagagcaa 300
agcagacaag ggatccccaa taggattaac agcagatttc tcatccagaa gccatgcaag 360
cccagaaagg ctatgggaga catactccaa aatgctgaaa taaaaactgt ccaacaaaca 420
tttccccatc ccagcaaaa atccnaaaac aaaggaaaaat cttgttgcac gttnaacctg 480
aataaaattg gtttccccgc cggttngttt ggatnaaatt tccccccct taatgttcca 540

<210> 1150
<211> 1481
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<400> 1150
agaggcttgg cttngaaaca tccggggaga gttgggcagg ctgctcttta tggatgtggc 60
tgctgggctg aaaatactgg agctcataac ccctactcca cagctgtgag tacctcagga 120
tgtggagagc atcttgtgcg caccatactg gctagagaat gttcacatgc ttacaaagct 180

735

```

gaggatgctc accaagccct gttggagact atgcaaaaca agtttatcag ttcacctttc 240
cttgccagtg aagatggcgt gcttggcgga gtgattgtcc tccgttcag cagatgttct 300
gccgagcctg actcctccca aaataagcag acatttctag tgggaatttct gtggagccac 360
acgacggaga gcatgtgtgt cggatatatg tcagcccagg atgggaaagc caagactcac 420
atttcaagac ttcctcctgg tgcggtggca ggacagtctg tggcaatcga aggtgggggtg 480
tgccgcctgg agagcccagt gaactgaccc ttcaggctga gtgtgaagcg tctcagaggc 540
atttcagaac ctgagctttt ggggggtttt aactgaagtt gggtgtttta tctttcttgt 600
tttataattc ctattgcaac ctctgcaact gctcgagaca caagtgtgc tgtagttagc 660
gcttagtgac acgcgggcct ttggtgggtg agcgggactg tgtgtgagtg tgtgcgcgta 720
tgtgcgcaca tatgtgtatg tgtggagtat gtgtgtttgc ttctccgtgg atgaaataga 780
aactcctcat tgtgtgacca ggaatgggta aatcatcttt acaaaatgtg tgctttaact 840
gtttacaagt aaaacctaaa gttgcaggaa acatttttta tttcgtaaag aggtaccaac 900
tgtcgtgat gtgatatgtc agaactgaag agtaaactta cttgttttaa tgacttgaca 960
gtggtagtgc tccatttaat aacagtaata agtaataaag tgtttttatt tggttaacca 1020
gtttaagtgg atcctgtggg aacttaaaact gktgktctca tcccytatat ggggcatttt 1080
tctttaacaa agaatggttt cagtgaacaa atctagcaga gaattaatgt cagaaccttt 1140
ttaaataata gtctgattga tacagtttgt acttatttca tcaagctttt ctaagcttaa 1200
atattgcata gcttcgagct gtatggacta tattatgaaa gaatatgtaa agagaacata 1260
cagtaatgca cagtccttaa tttgtgtata atggaaagtt atttacaata taacactgta 1320
aataagaaag caaagtttat gggaaaattc aatattatct ttgtttttgt ttaaataatat 1380
ttttaagata aaggcmcaaa aataaaagaa gcgtattact gggatatagta tgtgactcct 1440
cttctcagac taataaatta tcttttgaat ccttaaaaaa a 1481

```

<210> 1151

<211> 1092

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1083)

<223> n equals a,t,g, or c

<400> 1151

```

ctttaatttt gagtttaaac ccaagtttat tggcagactc ccttttgacc tccctttgcc 60
tccccatctg gtgctttctt gcatctacac cccagggccc tgtggtgggg ctgcaggggg 120
aagctgtgca cctgagatga ggctggaacg ggaattggcc tctctgctcc cttcttcagt 180
aagcaaggag ccccgccctt caggcccagc ctctgnmaag aggtgggtgga atccttgtgc 240
cgggtagtag aggaggataa gggcaaaacc aggccaggc cagtgcctgc ttggtctgga 300
tgggacactg tcagagtttg gccacagcct gtcctttact tcatccacac ctatgaagct 360
attccctaaa taaggcattt cccaagttag tcgctaccta atcagccttg agaagaatcc 420
tttctcttct tttgatagtg ggtcggggga ttcttcagga atgggtttgga gctgggagtg 480
ggtaggggga ttttaaatgt tccatatggg agcccaaaag gaactggatg ggctgcagtg 540
aggtgggggc ggggtgggcag ggaatgggag aggggaagtc ttggcagggg aatccctttt 600
ggccacacag tttacaaacc cagtatcatg tctgtctgtg tgtctctcaa ggtgagagtc 660
tgatttttat accaaagagg aaatgatatt ttttcatatt ttgtttgtct atattatata 720

```

736

```

aatatatata tacagttata tatatatata tattatTTTT tggttctctc tcgtttttta 780
gggaggggaag aaagtaccaa gttgcattga gctgtaatta aggaacatta taatttatga 840
cacatttcta tacttgcaaa aattatatca ttttatggat ataagagaaa atgcctttt 900
tataaaatTT caatttctga raagtgtgta atttgtctct tttctgatgt ttaaccaaga 960
ctggtggtga aagtaaagac agaaactgtc tcttaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aangggcggc cg                                     1092

```

<210> 1152

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<400> 1152

```

gcggcagtgga gcattctggg tctttgatga tggatgagtc ttcacttgta aatttaaagc 60
catatgtatt aacttagttt ccttcaggc atttagtatt agtgaatata acatacggct 120
ttataatgct ccaataacag atgcctagtt gcactttgat ttaatatatg ctgggagaaa 180
agatatatga gaatttcact ataatttttt gcctagataa taggtcagaa gggttctatc 240
ccacctggaa ggtaaaagga ttgggtctta ctgatttctt gnacttctct ctggatttta 300
tgaagtctat gctatctttt tcccagaagc attaagtttg aagactcaat caccaagtgc 360
aatcaaagct accttyctc cccccaat taaatagaca tktttaaaca cacatacaca 420
tttcaagatc aacagarttc ccttttgagc atggaaatat agccattgct aaattacgtt 480
actggactga actccaggta ttaatttcag tgggaaaatt aagaaatggt agga      534

```

<210> 1153

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<400> 1153

```

gntttcacc cgcgcgctc tacaagatgc nggggccact taaactacgc ggaggacgcc 60

```


737

```

cagctcatcg cccaggccat tggccaggcc ttgccgccc cctacagcca gttcctacgg 120
gaaagcggta ttgaccccag ccagggtgggc gtgcaccgga gcccaggcgc ctgccacctc 180
cataatgggg acctggacca cttctccaac agtgacaatg ccgggagggtg cacctcgaga 240
agcggcgagg ggagggcctg ggcgtggccc tgggtggagtc gggctggggc tccctgctgc 300
ccacagccgt catcgccaac ctgctgcacg gggggcctgy tgagcgytcg ggggccctca 360
gcatcgggga ccccttgacc ggcatnaaag gggaccagcc t 401

```

<210> 1154

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1092)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1094)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1101)

<223> n equals a,t,g, or c

<400> 1154

```

ctgacctcgg gtgatctgcc tgccttggcc tcccaaagtg ctgggattgc aggtgcaggc 60
caccacaccc ggccttgggc cactgttttc aaagtgaatt gtttgttgta tcgagtcctt 120
aagtatggat atatatgtga ccctaattaa gaactaccag attggatcaa ctaatcatgt 180
cagcaatgta aataacttta tttttcatat tcaaaataaa aactttcttt tatttctggc 240
ccctttataa ccagcatctt tttgctttaa aaaatgacct ggctttgtat ttttttagtc 300
ttaaacataa taaaaatatt tttgttctaa tttgctttca tgagtgaaga ttattgacat 360
cgttggtaaa ttctagratt ttgattttgt tttttaattt gaagaaaatc tttgctatta 420
ttattttttc caagtggctt ggcattttta gaattagtgc taataacgta acttctaaat 480
ttgtcataat tggcatgttt aatagcatat caaaaaacat ttaagcctg tggattcata 540
gacaaagcaa tgagaaacat tagtaaaata taaatggata ttctgatgc atttaggaag 600
ctctcaattg tctcttgcat agttcaagga atgttttctg aattttttta atgctttttt 660
tttttttgaa agaggaaaac atacattttt aaatgtgatt atctaatttt tacaacactg 720
ggctattagg aataactttt taaaaattac tgttctgtat aaatatttga aattcaagta 780
cagaaaatat ctgaaacaaa aagcattggt gyttggccat gatacaagtg cactgtggca 840
gtgccgcttg ctcaggaccc agccctgcag cccttctgtg tgtgctccct cgtaaagtgc 900
atttgctgtt attacacaca caggccttcc tgtctggctg ttagaaaagc cgggcttcca 960
aagcactgtt gaacacagga ttctgttgtt agtgtggatg ttcaatgagt tgtattttta 1020
atatcaaaga ttattaaata aagataatgt ttgcttttct aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa ananaaaaaa naaaaaa 1107

```

<210> 1155

<211> 619

<212> DNA

738

<213> Homo sapiens

<220>

<221> misc feature

<222> (563)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (597)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (615)

<223> n equals a,t,g, or c

<400> 1155

```

atctttccat atttactgag tttaaatgaa tcatctcaga gagaaaagaa aaactaaata 60
trgaaaagtg catggcagaa gctgaaatga gctcaagcag tactaacctt ggaaccattc 120
tgggtaccca aaagaaaaat ttaaaatcaa gatgagtaaa aggagaatgg tctcaatatc 180
ctcaaaaatg cagtaagaga agtaattccc cactgaaaat gtctctcttt ctttctatgt 240
tataccctgg agtcctggtt gaggggtggg ggaatcagaa aagtaggttt acatttaaca 300
tttttcttaa ctacattcac ttcttaaaaa ggaacaagaa gtgtaaataa gtatgtatag 360
agtgagggat taagcatatt tgcattgggg actcgtgtat tatgctttta agtcaaaatt 420
aatattctca aattcgaatt tgatagctat tatttctaaa tctttttaat cctcaatttt 480
cctggtaacc ttctttcaag agtctccttc ttctaaaagt tgccaaaccc tttatattta 540
agctttttcc actcaggact canttagagt ggcaacaggg aaagggatgg tcccatntga 600
actttgccac tgacnaaac                                     619

```

<210> 1156

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<400> 1156

```

aattcggcac gagcaaagaa gctgctaaca gatggactga taacatatct gcaataaaaat 60
cttgggctac tttatttntc tggcgtatct cttccacaac ttgcggatca cagtctttgt 120
ggaagaaata cgccaagcaa ataaagtagc caaagaagct gctaacagat ggactgataa 180
catattcgca ataaaatctt gggccaaaag aaaatttggg tttgaagaaa ataaaattga 240
tagaactttt ggaattccag aagactttga ctacatagac taaaatattc catggtggtg 300
aaggatgtac aagcttgtga atatgtaaat tttaaactat tatctaacta agtgtactga 360
attgtcgttt gcctgtaact gtgtttatca ttttattaat gttaaataaa gtgtaaaatg 420
cagatgttct tcaccccttt tggtagaaca aaagcaggat gataaccata tccccccagt 480
gctcatcaaa gtaggacact aaaaatccat ccatctcagt caaagtcgag c 531

```

739

<210> 1157
 <211> 826
 <212> DNA
 <213> Homo sapiens

<400> 1157
 gggctcgaccc acgcgtgtgg cactcggcgg tcgaaagggg agttcaagga gacgggggcg 60
 acgcggctga gggcttctcg tcgggggtcgg ggctgcagcc gtcatgccgg ggatagtggg 120
 gctgcccact ctagaggagc tgaaagtaga tgagggtgaaa attagtcttg ctgtgcttaa 180
 agctgcggcc catcactatg gagctcaatg tgataagccc aacaaggart ttatgctctg 240
 ccgctgggaa gagaaagatc cgaggcgggtg tttagaggaa ggcaaactgg tcaacaagtg 300
 tgctttggac ttcttttaggc agataaaacg tcactgtgca gagcctttta cagaatattg 360
 gacttgcatt gattatactg gccagcagtt atttcgtcac tgtcgcaaac agcaggcaaa 420
 gtttgacgag tgtgtgctgg acaaactggg ctgggtgcgg cctgacctgg gagaactgtc 480
 aaaggtcacc aaagtgaaaa cagatcgacc tttaccggag aatccctatc actcaagacc 540
 aagaccggat cccagccctg agatcgaggg agatctgcag cctgccacac atggcagccg 600
 cttttatttc tggaccaagt aaagatgggt ccgtggccca cactcgggtc tgtgctcaga 660
 caacgactga tgaaaacgcc catgcggttt gcacgactg atagtgtgtt ctttcgggga 720
 tcacaaacat taacaaaaaa gttaacttat gtgacttggc agttattcta taccatttcc 780
 tgtccattaa aattttttaa ggaaaaaaaa aaaaaaaaaa aaaaaa , 826

<210> 1158
 <211> 614
 <212> DNA
 <213> Homo sapiens

<400> 1158
 ggcctcttca cgcgtttccc gaggcggggc gcacgaccct gcgggtcccc gccacgaca 60
 cccccggggc cggcgcagtg cagctgctgc tctcggactg cccccagac cgcctgcgcc 120
 gcttcttgcg cacattgccg ctcaagctgg ctgcggcccc ggggtcccggc cggcactccg 180
 cccgagcgca cgtgctgggc ccgcggccgc gatcttcgtc accatcagcc ctgtgcagcc 240
 cgaggagcgg cggctcaggg cggccacccg gggtccggac actacgctgg tgaagcggcc 300
 tgtggagccc caggctgggc cgagcctagc acagaagccc caagggtggcc cctgcctgtg 360
 aagaggctga gcttgccctc caccaagcca cagctttctg aggaacaggc tgctgtgctg 420
 agggccgtcc tgaaagccag agcatcttct tcaactggag tgcaggaaca gggaagtcac 480
 atctgctaaa gcgaatcctg ggctcactgc cccccacagg cactgtggcc actgccagca 540
 ctgggggtkcg agcctgccac atcggggggca ccaccctcca tgcctttgca ggtaagtagg 600
 aaccctagg gctt 614

<210> 1159
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

740

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<400> 1159

```
gcancagtga caccnaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtgca 60
gnccgctcta gaactagtgg atccccggg ctgcaggaat tcggcacgag ngagagaact 120
agtttcgagt ttttyttttt wtttttttca tgggtaacaa cgtttattaa aatctggcca 180
ttttctacat ctcaaagagg agataacceca ccagaggctt aggtaacata attgtgttta 240
acgtaaatat acacagatac caataggcgg ttaagccatg ggacagggcc gcagatggag 300
actgctcaag gtcaaagggg tctccagctg ggaccctgca cctgggttcgt agcccctctg 360
cagacgcaca gtgcctcacg cctgctgcaa cctggaacct tgaggccttc atgtcagtgc 420
aggacaagag tcatgtctgt ccatagattg gggctggaaa ggactttctg ccactggagc 480
ttcgattgtg agcatgcatc cccgccaaca gctgtgtctc cctttgaacc aagtctggtt 540
cctccaagca agcggkcggt cattccaaag agggcctgat cccagacagt taac 594
```

<210> 1160

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<400> 1160

```
aggaactctg gtctccttgc ctagtgcttt tcaaaactct gtgctacaca ggagtggatc 60
caggcctgaa ggcatataca ttctggggac tctctttaag aaaaagaatt ctaaaatatac 120
ttacttttgc aaacattayg aaaatatact gccacattaa tatgttgcta gggccccctgc 180
taggacctta agaaggagct catgtgagtc aggaccctga atgttaggcc tcgttagctc 240
tatggttcat atgcttcttg aaccaagtca cagggcactt cccagccaca ttgccaggca 300
acaggactaa actacctcca aagcaagcan tcttttcagt tttgactgan tgatgttga 359
```

<210> 1161

<211> 633

<212> DNA

741

<213> Homo sapiens

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (606)

<223> n equals a,t,g, or c

<400> 1161

```
ttcctttttt tttttctcca gatcccaagt ttcgctcttg ttgcccacag ctacttactt 60
cattcccat gggtcacgtc attcatccac attaaccaat ttcctcactc caagctcttt 120
tctagagata atctccagtc cctgtgcaga aactgtcatt gcactttctg ctgaaatggc 180
agtttcttct cagcaagggt agattatgga atccagaatc ttttttcagg ggtcacatgc 240
ccatttcccc acttgcata gaatgcacac tgcagccaca gttttggccg taaatgtgaa 300
tttggcaagt aaccactgtt cccagggaaa tgtcccaatc agaagaagat tatctgggac 360
actgatactg acagggagat gggacattct gagggaccgc gaggcagggt gccacctcct 420
caacttcctt gagggctgcc taggaatctg tttcctcttc attctggaat tattcttctt 480
ctttatgggc tgacaaaaaa catgggaacc ttcacaaagt ccactgttaa cagctttttt 540
ttttgtggar gtcgaggac atggaggacg tttttaaggc caaagtttat ttngagttgg 600
ggacantttt gtggtttttt ttttttgagg aag 633
```

<210> 1162

<211> 1422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1421)

<223> n equals a,t,g, or c

<400> 1162

```
aattcggctt tcgagcggcc gcccgggcag gtactttctt actgagcctt ctattttctt 60
tattttaata atatttctcc ccacttgaga atcacttggt agttcttggg aggaattcag 120
ttgggcaatg ataactttta tgggcaaaaa cattctatta tagtgaacaa atgaaaataa 180
cagcgtatatt tcaatatatt cttattcctt aaattccact cttttaacac tatgcttaac 240
cacttaatgt gatgaaatat tcctaaaagt taaatgacta ttaaagcata tattgttgca 300
tgtatatatt aagtagccga tactctaat aaaaatacca ctgttacaga taaatggggc 360
ctttaaaaa atgaaaaaca aacttgatga aatgtataaa agatgcattt gttgtttcaa 420
atggcactgt ctttctttca gtactacaaa aacagaataa ttttgaagtt ttagaataaa 480
tgtaatatat ttactataat tctaaatgt taaatgctt tctaaaaatg caaaactatg 540
atgtytagtt gctttatttt acctctatgt gattattttt cttaattgtt attttttata 600
atcattatatt ttctgaacca ttcttctggc ctcagaagta ggactgaatt ctactattgc 660
taggtgtgag aaagtgggtg tgagaacctt agagcagtgg agatttgcta cctggctctg 720
gttttgagaa gtgcccctta gaaagttaa agaattgata aaagatactc agtcttaatc 780
ctatgcaaaa aaaaaaaatc aagtaattgt tttcctatga ggaaaaataac catgagctgt 840
atcatgctac ttagctttta tgtaaatatt tcttatgtct cctctattaa gagtatttaa 900
```

742

```

aatcatatattt aaatatgaat ctattcatgc taacattatt tttcaaaaca tacatggaaa 960
tttagcccag attgtctaca tataagggtt ttatttgaat tgtaaaatat ttaaaagtat 1020
gaataaaaata tatttatagg tatttatcag agatgattat tttgtgtac atacaggttg 1080
gctaatagagc tctagtgtta aactacctga ttaatttctt ataaagcagc ataacccttg 1140
cttgattaag gaattctact ttcaaaaatt aatctgataa tagtaacaag gtatattata 1200
ctttcattac aatcaaatta tagaaattac ttgtgtaaaa gggcttcaag aatatatcca 1260
atTTTTaaat attttaatat atctcctatc tgataactta attcttctaa attaccactt 1320
gccattaagc tatttcataa taaattctgt acagtttccc ccaaaaaaag rgrtttattt 1380
atgraatatt taaagkttcy aatgkgggtw ttttaataagg nt 1422

```

<210> 1163

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 1163

```

ggttatacct tggcggacgt gntctgcaaa ctrggagaaw gatttgcact ayctaamcct 60
rracaccygg acttggctctg gaaggattac tattaatgga gaaagcccaa aacatcggtc 120
atggcatact ttaacaccta tagctgatga taaacttttc ctatgtggtg gactaagtgc 180
agataatata ccattaagtg atggttggat tcataatgtc acaacaaatt gttggaaaca 240
acttacacat ttacctaaaa caagacctag gttatggcac acagcctgtt tgggaaaaga 300
aaatgaaata atggtatttg gtgggagcaa agatgactta cttgccttgg atacaggtca 360
ctgtaatgat ttattgatct ttcaaacaca gccttattca ctactcaggt catgccttga 420
ctgcattggt aaaaattcta tcatgttaga aagtcagata tctttattac ctctaaact 480
tctgcaanaa gtactcaaaa aaaaaaaaaa aaa 513

```

<210> 1164

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

743

<220>
 <221> misc feature
 <222> (59)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (74)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (137)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (546)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (549)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (577)
 <223> n equals a,t,g, or c

<400> 1164
 ggtcccaagg ggtttacccg naatgtgaaa gcccnaagt gaatgaaacc tcaaattgnc 60
 ccctgtatgg cctnaagaag cccccaagtt cccagtggt tccaagtgg gcaagtgtaa 120
 ttggaatggg gccccnccg atgccaaatg gagaatgcc aactgcccag gacaaatcca 180
 gatgaagaaa gaaactgtga agtgcctttg tttaaattgg atcagttccc gctgtgcca 240
 atggtcagtg cattggaaa gacaagaagt gtgatcataa tgtggattgc agtgacaagt 300
 cagatgaact ggattgttat ccgactgaag aaccagcacc acaggccacc aatacagttg 360
 gttctgttat tggcgtaatt gtcaccatit ttgtgtctgg aactgtatac tttatctgcc 420
 agaggatgtt gtgtccacgt atgaaggag atggggaaac tatgactaat gactatgtag 480
 ttcattggacc agcttctgtg cctcttggtt atgtgccaca cccaagttct ttgtcaggat 540
 ctcttncang aatgtctcga ggtaaatcaa tgatcan 577

<210> 1165
 <211> 665
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (8)
 <223> n equals a,t,g, or c

744

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<400> 1165

```

cttttttntt tttttttttt tttttttttt tttttttttt tttttttatg taaactatca 60
aatgtttatt taaatttcca tttaaaatat tttcaagtaa aatatgtaca aaaatgggta 120
taaaatgggt gaagcaacta gaagcgtgac aggtataata catataaata caacccaaat 180
tcaattcaat gcaaagtga atgacatcat attgcaccaa aatttattcc atacaaaagc 240
acatgcatca agagtttcca taagatgaaa acaaacacac ttacttcata gcatcttacc 300
acttacttac acaaatagcc cataaacacc atctggcatt gtgattgcag taccagaact 360
ctccccagag ggraactcat ttagctatag aagantccat tttatttcac atatcacatg 420
cttgtgcagg catcagtgyt aggaacccta agaaacaacg caatccacag atgaaagtct 480
ctctgcacca tttatatytt catagataaa tatcttagtt ctaatatgat tggaatgtgg 540
atgcagaaat aaaatgcagt tttgctcttt aagaatttta tcaatgtaag acattgtatt 600
aaatttgtat aaaatacaca caatcccctc tactaagttt catgatcaca gtgccagagt 660
gaagc 665

```

<210> 1166

<211> 1077

<212> DNA

<213> Homo sapiens

<400> 1166

```

acagaaagta acaaagagga atgagccagg agaacaaact aattccttta aataaataaa 60
waaaaaaaaat gcaaatgtcc ttcaccagta aagcaagcaa atttttaaaa tctctgtttt 120
tgaaatctac tcgtcaaaga gttttcagag gcaatgaaag gggaacagat ttttcattgt 180
aatagtggaa gttgtgtgat agttaggaga tatcaacatg catttttaat cttttcctta 240
gatgaaagag atggcctttg gcagtgtgtt ctaaccagaa agaaaggatt tgtattactc 300
tccaaatcta ctgtactgtc agcttcactc cacctgagaa aaaagaaaaa aaaattgata 360
gctcaaatgc atgtaattca taaacactgc aaaggagagc cacttgggtg ctgcagtcct 420
catattaaca gtctgtcaca gaatgcagtt aaagtattga ttggcatatg gtaatagagc 480
aaccatagcc ttaacttaca gacctgtgaa ataaagggca ttttgacctc atacaattaa 540
ttttctggat aactcttaaa gagaagtcac tttaactggt tttgctactc catatattgt 600
cattcaaaat atattttaac ccaaaataag ttaaataatt tgtgcatggt tgtgtgtgta 660
tatatgcata cactttttta tattaaaatt ttgaggctat acagccactg tgccctgtgg 720
aataaagcca tatatataaa tgttttatat gtatatgttt tatacatawa taaaacattt 780
catctaatat atatatgtgt gygtgagtat atgtgtgcat gtttagcaga tatttgtata 840
aaatataaac actctgttgt catatwggct atatgcgaaa ttgttaattt taaaataacc 900
tcaggccaca gacttgtagt aatcatttga aggcctcacc tagtgtcccc ttggtgacgt 960
atgcagcagc tcaaattaaa cttttgtgca ttgggttatg aataatcttt tcttccaaag 1020
atggcaaaag cctcggtttg atttgatact aaagaataaa tttctctgac tttcaaa 1077

```

<210> 1167

<211> 1177

<212> DNA

<213> Homo sapiens

<400> 1167

745

```

ggcagagctg acgttcccc cagcttagac cctgagtcgt tttccccctg ttccccgctg 60
aattaggttc ttctttctcca caggtgtgtg cagtggcctc agggatccgg aaagtctagg 120
actgaacttc tcctaacatc cagtaatggg gacctggaac ctgggcgtac tagagtgccg 180
cgcgtagggc tccaggtcgc tggcttctgc gctttcttcc tctccaaagt tgagtatctc 240
ctatctgtgt cctcatacat actgccgcct gaggtgccat ggcccccaag ccggggggccg 300
agtggagcac agccctgtcc catctggtgc tgggagtggg gtctctgcac gcagccgtga 360
gcacagccga ggcaagtcca ggggctgctg ctggcttcct gctccaggtc ttggctgcca 420
ccaccacgct ggccccaggg ctgagcacac atgaagactg ccttgctgga gcctgggtgg 480
ccaccgtcat cggccttccc cttctggcct tcgatttcca ctgggtgaat ggggaccgct 540
cctctgccaa cctgctcctg ggaggaggca tgggtgctggc agtggctggc ggccacctcg 600
gccctgaggc cktctgtggc tggtcaggca atgctgttgg tggtcgcagt gaccatcctc 660
attgtagctg tcttcacggc caacacttat gggatgtggg ggggggcgat gctgggtgtg 720
gcaggcctcc tgagccggct ggaggaggac aggtgctgc tgctaccgaa ggaggatgtc 780
tgtcgtggg ccttggtgtg aggcagctgg gcttactgcc gggccctgca tacacagcgc 840
ctccagtggg agtgacagtt ggatacagcc aggcagggtt tctgccctgc cgaacacttt 900
ccctcccacc tgctgtctcc tggcgccctc tccttagggg tagactcttc tgcctactga 960
agtgggtttg ctgcacattg actggtcagg ggcagagtct ggggtgctgtc ctttggccac 1020
gtgtggggac ttgtctagac cagaatgaaa gggacagggt cccagacacg tttgggggtc 1080
ctgattctgg gctggacacg gttgtggatc cagagaagag gcctagtctc caataaatct 1140
taggaatttt gcaggaawaa aaaaaaaaaa aagtttt 1177

```

<210> 1168

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1168

```

gtttaaatga gaacctaattg atacctggac aaacttcttg agaaattatc aaattgctaa 60
catgccatgt gaaatccttg aacactatta agataattac aggagattga tgtgtttgcc 120
ttagtttaaa atcttaatta gcattgacac caaaagcaac atccctatgt taaaaacaca 180
atgtgaatac tattttatta ttaccatgga accttgacct ttctttcctt cacctatagc 240
tcaatccttg tcttctcca gtcccagggc tccttatcac aaccatcatt ttgattttac 300
actggattta catgatacct tttactgaag tgcttaaadc taggaaagaa taaatttcta 360
ttgactagga gtcagaaact tagggtagaa tgatggagca ttgttttata acagggrgcag 420
tttcagctt ggattcaaaa tactgattaa aaaaatttgt tttctattat gattggatct 480
gtactttcta acgccaataa ttttaatcca gatacttttt atcttgatcc cacgcttgcc 540
ctttaacctt taccagaaat tcagagaaac agagtacata tttcgccaca caatggtcat 600
cctcactgaa tacttttatc cagaggctta caaactatga ccctccagtc aaatcctacc 660
ttgccttgt ttttgtaaat aaagttttat tggaacat 698

```

<210> 1169

<211> 1408

<212> DNA

<213> Homo sapiens

<400> 1169

```

taaaactattt atcttgtgtg tgtacatttg tgggtggagt ttgtgcgcct ggtttttttg 60
tttgaaaac actgcgtggg caatgtgggt atggggggga gtgatgcatt tttttctagt 120
cttaaaacta aaaacttgag totaccattt cttggttgca ctgaaaatac cgcccagcct 180
gatggtgttc ccgtgctgtc cctccccctt cccttctccc cgcgtctacc tccccacccc 240
gttctgttcc ccctccctcc ttctccctct cctcaaatc cgtgagtttt ggaagcccca 300

```

746

```

gggcctctct cccccgcccc tcctggatga ggccaccatc ccccaaaccg gcttgttttg 360
cagtttcccc aggatcctgg aagctcgtg gcgctcgagg gtggcgggga cacggggggg 420
tggtgaagg ttggttacct tttctagtgc gttctatcat agttaacggt tgcacacttt 480
tttaaaaaaa gtaaatggat ttgccacaat taaatgtcat aacatttatg acagaatata 540
aaatattaac atattttaag ccaagtttta ggtgtatttt ttgaatcttg gttataaacc 600
caatttttaa gggcgatgta tccagcgttg tgaaggcaac agagtgtacc catatttata 660
tttttataaa atacctataa gactgtgaat ctcttggtgct aatggctgag ttaattgaag 720
gatcgttttg ccccttttta gcctcccaga gcttcgagga ctcaattcga acccgaaatc 780
ctgccgtggg ggagggggtg cgtcgagacc tgggcccggg gaggttctcc tgcgtcactt 840
tctgtcctga aaggcgccct tcctgggttc tgtggctcca attttctatg cagccccaca 900
cccctgttg tttgatcct gagaaataaa agggaggctg aattattcaa atttaaatga 960
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gaaatggagg cacagattac tccacaagga gttcttctgt atattttttc tagatgcaaa 1200
taccttttta attatgttaa ttaatgttaa gactttctag gcttatatcg aagctgtgtg 1260
tggtgcacgg ggtgatcact gctaactgga taaagtttgt gcagcacatt cctgagtgtg 1320
cgatattgac ctgtagccca gcgtgaaaaa tttataaata aatttttcat tgatcttttt 1380
atattaaaaa aaaaaaaaaa aaaaaaaaaa 1408

```

<210> 1170

<211> 824

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<400> 1170

```

ggcacgagcc cccaccaaag ggacagagtg caaggacatg atcgaacaga aaaagttctg 60
gtacaagatc aaccccggtg ggtggtgagt gctgcagccc cgggcctcac atcctgccgt 120
ccctgtggga gnattggagc ggtcccagtg cccaccgctg attctytggc tccagcaacc 180
cctccaggtg gatocgtccc acgcagcctg gcctgaaaca ctgcccagcc actgggtcca 240
gtaagacaga gcctcgagtc attctgccga gaggatccag aaacacagac tttttctggg 300
gtcctggagg cttctggccc atggggagcc cctgggtccc agcgatccag cctgatgtg 360
ctgagggtgc agggcccagc tgcagagcag aggagagtgg ccccagggga ccagcagcac 420
gaaaggcaca ctgaggcaca ctggcaggcc tgggctgcag agagcctgaa ggatcatggg 480
tagctgrtgg aagcaggaag accccataca gcagcgacca ctgaggctgg tgctgcactt 540
tctcaggga ttgagtgtgg gctcccacca tcccgcgcac tggcttcctc caaagcctcc 600
tcctcttaca tcagcaaacc ttctgttcgg tgacccctc agtgaccctc tgtgcttgcc 660
ttcgtggtct tcctcatgga ggatttcggg tcagcgtggg ggtcagaggt catttcccat 720
acccctcaa aggtacttct tgcttggtcc ccacactctg acaccctctt ctgaaatgaa 780
cacttttttg ttgtgttgt tgagacagag tgagacgcca tctg 824

```

<210> 1171

<211> 595

<212> DNA

<213> Homo sapiens

747

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<400> 1171

```
agcaactaac ttcttggttag tgatcttaca ttgctcagca agtatagcat tattgcaaga 60
tttacagaat tcaggtcttt aaaagtttat attttatttc catatgtaga taagcttgtc 120
agtttactgt tggagtatca taaagttttt gttaaaatta cacaggttat taagtaaatt 180
tccaaggata aaaattatgt ttctaattaa cttgaatttt taagtaactg atgcccccat 240
gtggcaaagg atttattttg cttttgctta aacttgagga atgactgtct tttcattttt 300
ctttaaaaaa gtggacatta gtgtttataa agaagctgtt gaccaagaga cataatttga 360
attttgtaaa gctcattgcc ataaaattca cagcccctta ccctgtattg tctcacaagt 420
gcatgtaatc aagcacgtac aatgagacaa aatattggaa gctatttaat taaaaatagc 480
ataggggatt ttctgatctt atatgtgatt tcttaatgtc tttgttttgn ggcttacata 540
ggatgatgtca gttcattgat tatgaatatt ctggatacaa ctctgcata tgata      595
```

<210> 1172

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<400> 1172

```
anatcaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta 60
gaactagtgg atccccggg ctgcaggaat tcggcacgag tggaacttgg actgttttct 120
gaggtattgc aagcatgaac ttttaaattg ctttgtgtgg tgtgctgtgg gcttctgtga 180
tcatgaagta acatgcattt ttcttaaaac ttttcagggt ggtagagatt gcagcctgtc 240
actcyrcmca cacgtctgca gccaaagacgc aggggtgggca cgtgtacatg tggggccagt 300
gccgggggtca gtccgtgatc ctcccgacc tcaccactt ctctgcacc gacgacgtgt 360
ttgcctgctt tgccactccg gccgtctcgt ggcnctcct gtctgtgggt aagaaagtgc 420
agggccactt caccagggga ggaatggtac taccaactga ccagttttcc tgtgtctttg 480
ctggtt      486
```

<210> 1173

<211> 1109

<212> DNA

<213> Homo sapiens

<400> 1173

```
aacaaggttc tcaagagaca cctgcctttg caggggtgggg agtccgkag gagaaggtag 60
ggaggcccg cctccactct ggccccacaa tccctgcccc tgagcaggtg gagcatatga 120
```

748

```

cccgtcacct gkaggagagt gagaaggcca tgcaggagcg ggtgcagagg ctggaggcgg 180
cgcggtctgtc cctggaggag gagctgagcc gagtgaagc agcggcactc agcgagcgtk 240
gccaggctga ggaggartctg atcaaggcca agagccaggc ccgctggagg agcaacagcg 300
cctggctcac ctggaggaca agctgagact gctggcgagc gcacgggacg aggcgcaggg 360
cgcttgcceta cagcagaagc aggtggtggc cgaggcccag acccgggtca gccagctggg 420
cctgcaagtt gagggcctgc ggcggcgccct ggaagagctg cagcaggagc tgagcctcaa 480
ggaccaggaa aggttgggccg aggtgagcag ggtgcgcgtg gagctgcagg agcagaacgg 540
ccggctgcag gcggagctgg cggctcagga ggcgctgagg gagaaggcgg cggccctgga 600
gcgccagctg aaagtgatgg cgagcgacca ccgagaggcg ctgctggaca gggagagcga 660
gaacgcgtct ctccgggaga agctgcggct ccgggaggcg gagatcgccc gcatccggga 720
cgaggaggcc cagaggcgca gcttcctgca gaacgccgtc ctggcttacg tgcaggcgtc 780
ccccgtgagg accctgagcc ccccaaagtg agacaggccg ggaggaccgg ggcgcagtag 840
gagtgcataa ggcggcgccc gagatggacc aggggctgcg tcccgcccgc gccgcctctt 900
tgagaccggg gtcgtctgtt ccacgcggcg gttgcggcga ctgctggtgg tgcgcgggct 960
gcgggggaac cccgtgggag gcgcctggga agggctccct accggcccct tcttcccggg 1020
cgacgccacg tgggagcaca ccgggaaggg gtcccgcggg cgcgtctccc cctcgccctt 1080
tgcatgtca ccgtgaacgc tgcggccgc 1109

```

<210> 1174

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<400> 1174

```

tctccccat aggttcatag aaaaaaact cccaccttat aaaggaatct ttaaaagggt 60
cctcataaag gaacagggtt agcagaacca agttttgagt cctgggtgaa aatccagggg 120
agaatggtaa tcagtataa ccaatggcca atccaatatt aaaattagtt aacagtgacc 180
aatcttattt cacctacccc acccagagtg gcccgaagca gattgctgga tctgcctcta 240
aaccaacctt cctkccaaaa taattggggt taggttgtgt ctgctgattg tctccataat 300
ttgagatttt aacaagttga gtttggctcc caaatacctt aaaggatttt ttttttnggc 360
atctctgggg aggggggagat tggacgtagg caaccaaaaca ggaatggaat aagaaat 417

```

<210> 1175

<211> 972

<212> DNA

<213> Homo sapiens

<400> 1175

```

aatgttgccct ttgtccaagt atagattaag gcaacaaaca tatttgggtg tgtaatttga 60
agttttggac tgaaatatct ttgcaagtat ccacataaaa ttctgtaatg ccttataatt 120
atattctaata aattatgcat tatactaaga caccattaag aacagttgag gcactacact 180
aaatcaaacc ataatgagg aaaaaacttt taatgttctt ttctagaagt gttcaaatag 240
gtcttgatat gaagctaaaa gccttattta tattatctta atatttcggc taaaatgtta 300
agctccataa catgaattga tacaattcca attttatcaa tattytgtga tagaaaaatg 360
ttaatattat tcatgagcta tacagtcctt acattttttc ccttggtgta ggaacaacgg 420
aggagtttct cctctgctaa ctattcatat atgtaactgt aacaaaagtg tactatgtta 480

```

749

```

tgcacacatt acaaataata taaggggaag ttttattagc ttagtaggaa attggtatta 540
ttaaggttta aaaatgagaa caggtgtgag ttttccaaaa tacttaaaaa taatagtgtc 600
aaaaattcag gggcagttaa ggagtcacat atggaactag aggtcactat attaagtgac 660
ataagccaga aacagacaaa cattgcatgt tctcaattat ttgcgggac taaaagtcaa 720
aacaattgaa ctcatggata tagagagtag aaggatgggt actagtggct gggaaaaggg 780
gtgtgctgagg ggaactgggg atgcttaatg tgtacaaaaa ctatgtagt agaaagtata 840
aataagacct agtatttgat agcacaaccg ggtgagtata gtcaataata gcttaattgt 900
acaataaact aagagtataa ttggattgtt tgtaacacaa ataaatactt gagtggatgg 960
ataaaaaaaaa aa 972

```

<210> 1176

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<400> 1176

```

ctcgagcggg gctggtgtga aagctgccta accacagccc catctccgcc ctgtgctgct 60
gaggggaccc cggtgccc caggttccag gaggtctgt ctgacttctg gctggccctg 120
gagcagctga ggggccacgc tgccatcgac tacacgcagc tgggcctgcg kttcaagctg 180
caacctggga ggtgctacac aatgtggcgt cggcacagt ccagctgggg ctctggacag 240
aggcggcagc agcctaaggg aggccatgtc caagtggccg gaggtccct gaatggcctg 300
gactcagccc tggaccaagt gcagagacgg ggctcactgc cgcamggcag ktccccaggg 360
cgagktyttc cgcccccamc gtggacctga acacttggag cccgtggatt tctggcaagg 420
ccaaggtngg tggcctntgc cat 443

```

<210> 1177

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (587)

<223> n equals a,t,g, or c

<400> 1177

```

ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgagtc tggagacaag 60
ctgaaacttg accagactca tttagagaca gtaattccag caccaggaaa aagaattcta 120
gtttttaatg gaggtacag aggaaatgaa ggtaccctag aatccatcaa tgagaagact 180
ttttcagcta ctatcgatcat tgaaactggc cttttaaaag gacgcagagt tgaaggaatt 240
caatatgaag acatttctaa acttgccctga gtttgaaaat ttgttaacaa tacattaaaa 300

```

750

tcttaaagca tcaaattggt gttcgccaag gcattatgag actctactgt gttagggtat 360
attcttttgt ataaaacaaa caggtttttg aaaatattac tgtatagtta gttgttcagc 420
taaactttga gaagaattta attatgtctc atgagggtatc aaactatgta attttgcct 480
tgttattttt gtttcctttg taatttactt gatgagttta tatcttcatt aaagaatggt 540
attataaaaa aaaaaaaaaa aaaactcgag gggggggccc ggtaccncaa t 591

<210> 1178

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<400> 1178

aattnttccn cctgatanga tttcagcaaa ttctgatanc ccgggtatta cttcttaatg 60
cattttttgta acatttgaca aacatctccc aatatgtaga ctcccactct cctgatgcta 120
atcagtatca gacaatggaa gtaaattttc ctgcttttct caacttttcc tcaaattcat 180
gttagtgaag tacttttcatt tggccatcat tatttatcaa ccttaagaaa catgcctatt 240
gacgaagtaa atatactagg aattcaacgt atctacggga atgtggacaa agacatatac 300
caagacaagg cactagagtg aaaagccatt aaaataaaat gctcagcagc aaaggatttg 360
taatggttaa cttgcaatat rtccatatgg tgtaatatata cagtcattag aaatgacatt 420
tgcgtaagga tctgagtgga aactgatata gcctgtcgga 460

<210> 1179

<211> 567

<212> DNA

<213> Homo sapiens

<400> 1179

gagacaacaa aacaaacaca gaaaaaagaa cataataaca gagacaaaat aaaattcaga 60
caacagtawa ctgaasmcat tttaaaaacc agaatatgta gtctacggat attttttatc 120
ataaaaatga tctttggcta aacaccccat ttactaaag tcctcctgcc aggtagttcc 180
cactgatgga aatgtttatg gcaaataatt ttgccttcta ggctgttgct ctaacaaaat 240

751

aaaccttaga catatcacac ctaaaatatg ctgcagattt tataattgat tggttactta 300
ttaaagaagc aaaacacagc acctttaccc ttagtctcct cacataaatt tcttactata 360
cttttcataa tggtgcatgc atatttcacc taccaaagct gtgctgttaa tgccgtgaaa 420
gtttaacggt tgcgataaac tgccgtaatt ttgatacatc tgtgatttag gtcattaatt 480
tagataaact agctcattat ttccatcttt ggaaaaggaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaa aaaaaaaaaa aaaaaaa 567

<210> 1180

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 1180

gcaatccttt cgcactctggg cagttccaaa ctagaattct tgccctgccct gcctcccatg 60
gaatgccctt accctactgc caatgtgac tttctgaaac agcatacctg atattgtcat 120
tcccaggagc agcttccac ctccctcagg atttaaactt taaactctac agctctccac 180
actcacctca acaatgagct cctctcatca tttcttctcc tttgtcccag tcacaggcca 240
cttttgggcc atgscaaac actttatttc tgaarsttct gccctgract gttkgytcct 300
tgactggggg gctaaggatg actgcagtca tgcaggggnc aggggnaag 349

<210> 1181

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 1181

ggcagagcac tgcactccag cctgggtgac aagagcaaga ctccgtctca aaataaataa 60
ataaaaataa aaaataaaca tgatgatcac agatgcagtc acattttctg agttcttgtc 120
tctctgccag tgcccacca gatagcctca caaaactttg acccagccac tgtagtgctc 180
gccaccgscg ataaaggagc tgagcccagc aggggmactg cctggggccc tgtagccaaa 240
aggctacagc aggagctgat gaccctcatg atgyctggyg ayaaaagaat ttctgctacc 300

752

ctgaaagcct tatcaaattg acaccattca tgaaagcaac tggcacaggg gnatggaaga 360
tctganggat aagctcttg 379

<210> 1182
<211> 403
<212> DNA
<213> Homo sapiens

<400> 1182
gcccaaagtc ctgggattac aggctgagcc accgcgaccg gccctgctgt tgcttctgag 60
gtttgaaaac cgctgcctca atgctcctga ttcagctctt cttacccaaa gggtcccca 120
cctcatctac tctgttcttg cacagtcgcc cttttctctg atgccccggg caggtttctc 180
tctgccagct ccacgcttct ggagtcctcc atcctgtctg gggcccagct gccactgtc 240
tgggttcaga cttctcaac actccctggc ttctctgcc tagttttgcc ttctccaac 300
cactcttggt gggtggaagt acggttacca tggtaacttg aagacaacgc aaatctgatt 360
gtatcattac aatgactggg aaaacctcca gtgccacaaa ata 403

<210> 1183
<211> 417
<212> DNA
<213> Homo sapiens

<400> 1183
gctagattaa atcgtagaat gtgtgccagc aaagcttaaa gtttccaggt tagctgaggg 60
aggccatttg gaaacttggt tctgaactcc aataggagag agaattgtca agcaatgggt 120
cttctgcccc tttccctctg ctttgccatc ccatgggata agggaaccac ctcaggttcc 180
caatcccaaa atcaatatca cagagtttag agtccaggcc ctccgctaaa attagacccc 240
atagagtttc tagtattaat tggcccatca ttttaatagt aattaatgta attagtctgt 300
agctatgttt atttgtaata tggaggatgc ctgtctgctg tacatacatc tttctaagac 360
agatccctaa ctgtgttcaa tttcttttcc agtgaataac atttctagtc acaggac 417

<210> 1184
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<400> 1184
tgacacgttt aagttgatac cattgtgcc ttcctctttt ggcctctttt ttgtccatag 60
aggcttcaag atagataggt aagagcccag tagtggtcat aagaagccaa tagagagcag 120
gagccacttt atcagggtggc aggtgtcctg ggcctccctg ctggctagtc ccaagcgggtg 180
gtgttgccag gatgtcttgg aggtgataat gggacacaca gaggcactga gtctccatag 240
gttaaaatgc caccaaaact ggcctttgcc taatatccct cattgactat ttrgcattta 300
atatttttat tttcctgaca tttctgcaag ctttgatatt atatttcac tttatagatg 360
aggaaatttg aggtcttag aggtaaaatg acttgcccag gtcacacagg aagtggcaga 420
gacaagcttt ttaaataaga aaaaattaat aaaatataat atgagagtaa cttaaaatat 480
taataaacca caatttttaa ttaattaacc gtgataacca acattaataa aagttaagat 540

753

accaaaacac tgggtgtctaa ttctttcaac taacaacttg aattattttc ccatttttaa 600
ttaattaacc gtgatancca acattaataa aagttaagat acc 643

<210> 1185
<211> 551
<212> DNA
<213> Homo sapiens

<400> 1185
tatataattt aatgcaaagt cttttacatt aatgtaaggg taggaaaaga gggtggagga 60
agatatgggg aggtaggaaa atgggacttt ttctctccat ttacttttga tgtttgaatt 120
tcaaacatga gtatatattgt gtattatttt gcgggttaaaa aactgaaga ttgcataaag 180
atcaaagagg gaaatttaag ggaattaatg ggttatgatt gcatttggtc agaattggttt 240
tgggtggctca tgacaacatt ttgagagaga gagattttta tggcaccaat ggcagctagg 300
ataactagtt taaagtttag ggctgtgtt aatagatttt gctttctagt ttcagaaaga 360
ttctcttata gtactgtttt aatctgtttt tctaagccct ctgatttatg tatatttaatt 420
aggccacaaa ataattgtcaa atatatggca taataaccaa caaatatttg aataagtga 480
aggctactcta caaaatgcta tgggaaagac aaaaataaat aatatccctt tctttgaggg 540
attaacagtg a 551

<210> 1186
<211> 567
<212> DNA
<213> Homo sapiens

<400> 1186
aacacactat aaactttcaa ggagagaggc tgtgtcttct tcatgtttat atctgctaca 60
aactgagtt catggctttt cacacataat tgctcaacag agcaggtgcc atggaaagtc 120
aattcaatga gtaaaattac ctcaaaatag tccgttaatt cactcacctt tgatgtagac 180
agattattct gcattgatac ttatctctta ctcttaaaat tcgctatgta ttaataaata 240
ttttattgaa tattaaggaa tgatcactat tttaataaga tgttctttac catatatttc 300
tatatgtaca tgataattag aagtatcaaa ttatattgtg gaatgtaaaa gcttttcttc 360
tgaagccaag cttttgtttt attgtcattt cagtggcaaa tatggacttc atattcaaaa 420
tgatgttcta tattattttt ccttacaagc tttttgaaaa acaatttaatt aattccatga 480
ttgttgtagc accactgaat tgattctgaa agcttacttt ttaataaaaa attgaccttt 540
atcaagcaaa aaaaaaaaaa aaaaaaa 567

<210> 1187
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

754

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<400> 1187

```
ccatctttct ctctgctcta tgagaccctc cccttcctta tttttatctc ttcccacttt 60
atgctgggccc ttccctatcc tgccctgagt tatagttagt cactaacttc tcsgctgggt 120
cccaccctta tcacatctca gctacatata taaactctct gttatctaag taattctatt 180
agccagaagc aattccagag tttatattag tactaggaag gtgtcatgta gccctgtct 240
aacatttgaa ttgaactaaa atgtgaatct caataaaaagc aacacagttt tcacagcata 300
tgctgataat ggcaatccaa cttcttttgc cttttcccca gagaatcctg ggaatatcct 360
gagcttggtg ctttgatgat tctatttcag ctttggtgcc ttaaaaaaaaa ttacaaatca 420
attttgaaat gtttaagttc atgattttgt tctgcagccc tagctagggg tgagccaagc 480
cttatgaaat ctaaactcag cctaacagaa tagaaatcta taggcttang ttaagggtca 540
canggcccgga gtccagngtg tgattg 566
```

<210> 1188

<211> 304

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<400> 1188

```
ggcagaggtc tttgaggaat tgccaccctg tcttccacga tggttgaact aatttacact 60
cctaccaaca gtgtaaaagt gttccttttt ctccacaacc ttgccagsat ccgttgtttt 120
tttaattttt tattgataac cattcttatt ggtgtgagat ggtatctcat ggtgggtttg 180
atgtgcattt ctgtaatgat cagtgatgtt gagttttttt catatgattg ctggccacat 240
gtatgtctta ttttcagaag tgtctgttca tgctggtttg ccactttgan gagttgtttg 300
tttc 304
```

<210> 1189

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

755

<400> 1189

tgtgtgtaca tcacaaatct gttttcttnt gcttctcttt aaaaatgtnt cctgagtgat 60
 ttcatcagca gtgctgttgc taagcctata ttttagcaact gaaaatcatg ctcagaaata 120
 ctgtcatgct tttttaaaaa rgcatatcca tccctccaca catggctgat tccagaacct 180
 tcatgccctt agcaaaaaat tgagctgtcc ttcagggttt caaaaaaagt actgtactcc 240
 tgctgcaccc cmggctcttg gcaaggaggg gacttttgtc ctagagaatg ttctttctta 300
 tgtattattg caaaacaatt ttgttcttgc atactgaagc atcactggat gaatttcttt 360
 cccctgtaga caaaccgagg gtgagtattg ctctttaaat gtcagtaaatt ttgttttagc 420
 ttctggggca aaccttggtg tactcattct gtctctccca gcataaatg ttaggttgtc 480
 ataaaatagg gcaaattgag gatagtgtaa ctactgctgc tgaataaatg ggaaatagtg 540

<210> 1190

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 1190

gcttctctaa ctaggaagta tacgtaaagg aggaattgct agggcatggg attggcataa 60
 tttcaccttt tctagatatt gcccantcgc tgcccacagt gcacatacct ttccaccagt 120
 cacatgtgag agggcagatt ttccaaatgc tcatcaccac ttggcactgt gtggactata 180
 attttggcca gttaggaaat ggcattctcat tgttttcatc ttaatttgcg tcagcctgat 240
 tactcattga aacttgtgan gttgagaaac ttttcttaag cttattggcc attcaagttt 300
 cctcctttat gaaatgggtg ttcatgtcat ttgctcattt ttatattana ttgtttttct 360
 tttttccagc tkacttgtak gaactctaca tcttatcaat attaatacatt tatcgaaaac 420
 tatttgggtg ccattatctt ctctagtgca atgttttttg tttgtggata tctttttataa 480
 tatataant 489

<210> 1191

<211> 412

<212> DNA

<213> Homo sapiens

756

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 1191

```
tcaggcattg acactttgta agaaaggggg taggggacac agctgggcag gtggagtggg 60
tkggcaggat ggctgtccca gtctgcccac cttctcttgg ctctgggacc agcggttgt 120
tctagggatt tggacctgga ggccaagggc aataggagag ggtctgaagc ctgtgctgtc 180
tgctgcttgc tgtgaatggc cctcccgggt catgacagag ctcttttggg gcaggagggtg 240
agggcagggg gccccgctcc ttggtaaggg cctgccctgg ggctcccagg gaagtgggag 300
ctggggagcc aatccaccca gaccgcgctc cacctgggag gcatttgggg ttgcaggacc 360
gagaccacac tcctctnact cacttctcca cccgccagca gctgccacag gc 412
```

<210> 1192

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1192

```
gcggccgccc cgccccgct cccgcmgccc cccgccagtc agtcagtcag tcagtcagtc 60
agtcagtcag tcactgagcg cgcggcgcgg gagctgctgg cagtcgctgc gtctctggcg 120
agggagcgcc gcgcctgggg aggagcgga ggcagcggt ggaggagcgc gagcgcggt 180
ttccttgccc ggggcccggg gaaggccgac cgactgccgc gatggagcag ctatcagatg 240
aagaaattga tcatggtgct gaagaagaca gtgacaagga agatcaggac ctggacaaaa 300
tgtttgagc ctggcttgga gaactagaca aactcactca gagtttgat tctgacaagc 360
ccatggaacc agtaaaaaga tctcctcttc gccaggaaac aaacatggcc aacttttctt 420
accgcttcty catatacaac ttgaatgaag ctctgaatca gggagagact gtggatctgg 480
atgccttgat ggctgatctt tgctctatag agcaggagct cagcagcatt ggttcaggaa 540
acagtaagcg tcaaatcaca gaaacgaaag ctactcagaa attgscgtgt arccsacata 600
cattgraaca tggcaccttg aaaggattat cttcttcac taataggata gctaaacctt 660
cccattgccag ctactccttg gacgacgtca ctgcacagtt agaacaggcc tctttgagta 720
tggatgaggc tgctcagcaa tctgtactag aagatactaa acccttagta actaatcagc 780
acagaagaac cgcagtcagc aggcacagtg agtgatgctg aagtacac 828
```

<210> 1193

<211> 280

<212> DNA

<213> Homo sapiens

<400> 1193

```
atttaaaaga caaagtaagt aaaaatactt ttagtaggca ttcgtggatt gtgaacatcc 60
aagttatatt ggtttgtata gaatggcatt aagtaaaat tacagctgta taacagtagt 120
tttctaaatt gagagagtcc acattgtaat tagagatcac tgtgaccaa atgcttctcc 180
ttgatattata atgatgkact gtattttgta ctgcttatat gaaatttcag caagattgac 240
gatattataa agatgcttat aaagtgtaag tggagacgct 280
```

<210> 1194

<211> 393

<212> DNA

757

<213> Homo sapiens

<400> 1194

```

gcattccctt tgccatcccc tggactcact cctcacccta ttccccaaaa agtgagaagg 60
gcaggctgtg tagatggcat tcctgagaat gagccagtgg agagcatctg gccctggcat 120
gtgaattcaa gcctttttccc agctgtaata accaccctct tttttccaca ggggctaaac 180
tgcacgggtca agaatagtaa gtcactcttt tctgttcttc ttcttggtgc cttcttaatc 240
aagtgagagc ctgctgccaa cttctgacag aagtcttgcc atgccactcc aggttcaggc 300
tgtgagctac agccatccgc aggagggttc ccggaraaat tgtggatgcg ttgcacctgc 360
gcttctgtcg agaacattca ttatgcaaaa ttc                                     393

```

<210> 1195

<211> 937

<212> DNA

<213> Homo sapiens

<400> 1195

```

gatggctggg ggtgggagtg taagtccctt ttcctacttt catgtaaagt gccacagggtg 60
tcttggtttg catattcaaa tattatatag gaaaaacagt ctgttatgta tttcttcacc 120
tagcttcttg taatatttat ggacgtttcc agtttttgta ccttcttagc taaagcagtt 180
gcctttttgt aatggcaatt aatttatatg ataaaacttt gtatccactg tagttgacag 240
tattggttgc taattaactg ccatattgcc ctgtctttct attaaaaaaa tactgtacct 300
gtacttagag gctaacagat tcatgtggac atttaccagg caagaccaac ttgtattgtc 360
catgatctct acgatttcca ctatcttcaa atgaaaaata aacgctgagt agaactgatg 420
ttttcagact aactcctttc aacttttagc tttgggagtc ccagatttct gtttcagttt 480
gtgtgcgctg tttgtctcca aaataagttc tgctgtctct gggtcaaaac aaatgattaa 540
ttcgcatctc ctttgaagcc attgtgaaaa ccttaaaaga aaaaawaaar araaaaagca 600
agtatctttt ccagttgggt tgtcttcagc agcaatttac tcttattgaa gctgttcctt 660
cggagtgtgt gaacagactc aagatattat tataaagcat catccttcaa tcaaaggatt 720
attttataat atgtgctgtg aaattaactt gagtggcaaa gtttggtgca atgagttatt 780
tcattcaatg gtgattgatg ctgttaagta atatttttaa gtgactcgag gaaatactgt 840
gcatttacag atccatcctt aaggatgcag gtctaaaaaa agagtaagaa agaaaaatca 900
agtggtagat agataraara araaaaaaa aaaaaaa                                     937

```

<210> 1196

<211> 490

<212> DNA

<213> Homo sapiens

<400> 1196

```

gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc cacgcgtccg tttttttttt 60
tttttttttt tttttttttt ttttttggtt tttttttttt ttttttggtg tacacaatca 120
tttgttttat ttgaaaacat gtctacactg cattgagcac caacacaggt gtgaccaaga 180
aaccacagct cctgtccccg cagcactggg tccagtgtat gacttggggg ggactgttat 240
ttttcacagt gaggggggga aggataggaa agaaaagatg gccattatcc caactcctgt 300
tcaggaatct gaacaatgaa agttatttaa actcatccag ctcttctcat tccccttctc 360
tcaatcagct ggtgttcaaa tatggaatct gaggcgagc gcagtctctg gtttctttga 420
agaactttag gcacactcca gggtcaggaa aactgcactc ctagtctttt ctgattgcaa 480
tagccttctc                                     490

```

<210> 1197

758

<211> 1511
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<400> 1197
aggaggaacc agaccgcggc cagagcggtc aggaaacaaa tggaagactg ctgccaaccc 60
tgcccatctc ttgtctatga ctaaaatgaa ttcccctatg ggnaagaagg catgtggtat 120
gacggggagt ttttatactc attcaccatt gacaattcaa cttactctct cttcccacag 180
gcaaccccat tccagctgcc attgaagaaa tgcgcggtgg tgggaaatgg tgggattctg 240
aagaagagtg gctgtggcgt caaatagatg aagcaaattt tgctatgcga tgcaatctcc 300
ctcctttgtc aagtgaatac actaaggatg tnggatccaa aagtcagtta gtgacagcta 360
atcccagcat aattcggcaa aggtttcaga accttctgtg gtccagaaag acatttgtgg 420
acaacatgaa aatytataac cacagttaca tctacatgcc tgccttttct atgaagacrg 480
gaacagagcc atcttgaggg tttattatac actgtcagat gttggtgcc atcaaacagt 540
gctgtttgcc aaccccaact ttctgcgtar ttggaaagt ctggaaaagt agaggawtcc 600
atgccaaagc cctgtccaca ggactttttc tggtgagcgc acttgsngnt ctctgtgaag 660
agggtggccat ctatggcttc tggcccttct ctgtgaatat gcatgagcag cccatcagcc 720
accactacta tgacaacgtc ttaccctttt ctggcttcca tgccatgccc gaggaatttc 780
tccaactctg gtatcttcat aaaatcgggt cactgagaat gcagctggac ccatgtgaag 840
atacctcact ccagcccaact tcctaggaac aatggaagaa gaaaggactg aaccagggtg 900
tttttgttag gttttctatg tgactccaag agggaatggt caagttgttt catgagtttg 960
catgggccct tggaaaaaca ggaaaggagc aatgaagatc caagcaaaac tttactttca 1020
gcgttggctt ggaggacaaa taagaaatga aacatcctat gaaatacttt atagcacatg 1080
gcagatttgc aactagtaaa atgctggtga aatgctgttg gtaaaacaca tggttcaaat 1140
ctagaagatg cagttcaaaa acaagacaga ctcgagttgt tagggctgag gaaccaatca 1200
aggtagaaca aagaaaatgt tggggtaaaa gtgttgctga ttgtcaacac aaactggctt 1260
aataatatta ataagaacct gtcttattaa gactggcttt agaaccgtag gtttttttaa 1320
aaaattatta tttatttttg ccctctttgg ggaagtgggt gggtagattt aaaaaatccc 1380
ttcctgagta ataaagatac aaaatgttac tgctgataat tgtgatttgt tgagccacgt 1440
ctatattaac tatagctccc ctctattttt aaaattttac ataaaattgc ttcttcctct 1500
tttgtcaagt c 1511

<210> 1198
<211> 743
<212> DNA
<213> Homo sapiens

759

<220>
 <221> misc feature
 <222> (712)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (732)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (735)
 <223> n equals a,t,g, or c

<400> 1198
 ctatcaaagc attgccttat actttgaagg agaaaagaga tatcttcagg ctggaaaatt 60
 cttcttgctg tgtggccaat attcacgagc acttaaacac ttctgaaat gccaagctc 120
 ggaagataat gtggcaatag aaatggcaat tgaaactgtt ggtaggcca aagatgaact 180
 gctgaccaat cagctgatag accatctcct gggggagAAC gatggcatgc ctaaggatgc 240
 caagtacctg ttccgcttgt acatggctct gaagcaatac cgagaagctg cccagactgc 300
 catcatcatt gccagagaag agcagtytgc aggcaactac cggaatgcac acgatgttct 360
 cttcagtatg tatgcagaac tgaaatccca gaagatcaaa attccctccg agatggccac 420
 caacctcatg attctgcaca gctatatact agtaaagatt catgttaaaa atggagatca 480
 catgaaagggt gctcgcagtc tcattcgggt ggccaacaac atcagcaaat ttccatcaca 540
 cattgtaccc atcctgacgt caactgtgat tgagtgtcac agggcaggcc tgaagaactc 600
 tgctttcagc ttgcgagcta tgttgatgag gcctgaatac cgcagcaaaa tagatgcca 660
 atacaaaaag aagatcgagg gaatggttca ggagaccga tatatcttga gntagaagag 720
 gccacgattc cngtnccttt ttg 743

<210> 1199
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 1199
 gagcagggaa actgtgtcct ggcagagatc gtggctcctgg gcacacagga cccctcagca 60
 cactgaggtg gagctggggc gaggggaggg ggtgcgctct gggtaactga aggtgtgaag 120
 sgcccagggc ctgtttcttg gcagtgcagg aagtcccarc cccatgcctg tggtagatc 180
 cctgtaggg cccccccac catggacact tcggggcctc tacggctctc caaagctgtg 240
 tctctatttc cactgcagca gaggggcgtc cccagctccg tcaaacagcc ctttctgttt 300
 ctggagtcc tacaagtggag gcccaaattc gttcccatgt tgaggcaagg cctgggtgt 360
 tccttcctct ctggaaaccg ccttgaactc ttctttggg acatgcctcc tcgaccagcc 420
 ttgaaggggt gctcctctct cactacctgg aaccaaacac ccccttcctt tgtgtacaag 480
 ggcaataaag agtagacctt catcttcaa 509

<210> 1200
 <211> 266
 <212> DNA
 <213> Homo sapiens

760

<400> 1200

```

ggggaggggg atgtaaattt gataaatagg ttggtgaaaa cttatatattt cttgtaaaga 60
gagagaactg agcatgtttg aggtataagg taaaaggcg tgaaggaggaa tatttcgttg 120
ataatgaaag tgagcagcta gggaagaaaa ctccagagg aagagggagg caaggaaatc 180
aagaacacac ttaaagtttg tcagaagaag gaactttatt tccttaaaca ttcaagaaag 240
atgatgtcat ttcagttatt gattgt                                     266

```

<210> 1201

<211> 394

<212> DNA

<213> Homo sapiens

<400> 1201

```

gttttctaca tatcttgaaa ggcagtgcac aatgacgtgt aattatctag gtggtaaaac 60
tgaaacatac ttcctcttcc cttgaatata aaaaagcatt gtggtattag tactttttatc 120
ttggatcatt gttcagaagg aggttcagcc cccagacaac cacattttta ctgtcatgaa 180
tggcaagaca aaatgtagag ctcaacttac ccaaaggaaa aaaggctcaa aagacaaatt 240
atggcacaac ttagcagcca aattcttacc aagtacagac ttttgacata ctgatctctc 300
tccagtttca agtsggaaca tgcactttga atgatgtcat tcaaaattac cctgcccaga 360
cacacttttc attgattctc ttggaggggca gttc                                     394

```

<210> 1202

<211> 434

<212> DNA

<213> Homo sapiens

<400> 1202

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caaaaaggcc agaggctcac taggtcagca tcataccaaa cgcttggtt tcaccaggca 60
tcagtgtgct tcasttgaga gtttggtacc atggttaaga tcgagtccat gctaggttaag 120
tcctgttagg aatgtcagtt tgtattccgc ccacgtgaat gatgctgagc ttaatgtatt 180
attttgaggg gcttcttcag agcagttctc actgagcttt ccattaacct acactcttcc 240
ggacggctct taaaacttgc aggacataat gaaattggga agagcagagt gttgaagtct 300
atagcatggc cttctgcttg accctgagtt cctgaattga atgtgggaga cacaggccat 360
acttctctag gcactcacat gtctcccttg gcataaggaa acatgttagt aatatagttt 420
tttagatcca acag                                     434

```

<210> 1203

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1203

```

cactcgccca ggcgccggcg acctgagggg agaggggaacg cagctgaaac tcgaactgtg 60
agatgctttt gacaagttat aataaggagg agatggtagt aaagggaagtg aagaagcgac 120
gtgaaattga aggaaaagaa aatgacctgc cttcttaccg cggttggaat acacacccaa 180
acgagaggta gcagagaagc aagcagtgca ttctgttaaa aattattgtg tcctcatttg 240
agagaggagg gatcctcaaa taatacaact atgtgcaaag caggaagtga aatccttctc 300
agtcctctcc ccagttgtaa tccaagcctt ccacatcttt cctgtatgtg cataaccatg 360
ttattttgct ttcttatgaa aatgagatta tgcatactgt tcgataatct gtttcagatt 420
aaata                                     425

```


761

<210> 1204
<211> 689
<212> DNA
<213> Homo sapiens

<400> 1204
ttcgaccac gcgtccgccc gcgtcccagc tagagccaga ccgtcgctcc ctgccccgca 60
cgccgtcggc ctcccttgccc agcagccgcc gcagcagcat gggcagcaca gcagttgccca 120
ctgacgtcaa gaaactgatg tcctcagagc agtaccacc agaggagctc ttcccaggagg 180
gcacaaatcc ttttgccact gtcaagcttc gtcccaccat caccaatgac cgctcagcac 240
ccctcatccg ctgaggcggg gtccgaggtc gtacccaca gtgcacctgc ccaggggctg 300
ttcagagctg gcaatggcag cgacagcagc aacagcagca gatccaagaa gcgggtccct 360
gagacggggg gtggctgccc tcccagacc accccggcag cctgagcagc tccaaagcac 420
tggcttgggg tccgagacct tcaaagtaaa gcaggcggaa tggggggaca ggacaatttc 480
tccccctcca ggggtccag gactctccct ggggggcca cctcttgccc cctaacctct 540
ttcccccttt tctgcccccg tggggaggag ccccttgtag ctgctccgtg cccaacacat 600
gccctctctg tacatctttt gtaaagatg agaaataaag gaagtggacg caaagtgatg 660
cggcaaaaaa aaaaaaaaaa aaataaaaa 689

<210> 1205
<211> 2476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (833)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2472)
<223> n equals a,t,g, or c

<400> 1205

762

```

gaagtgcgtgc tagtttttat gagaagtata ttatattaaa tgtgaatttt ttaaattttg 60
cttcttatac tggaaggaat tttagccttc atattgatat ctaattaatt atttaagtgg 120
aagaggctgc atcacaattg aggtaatgta gagcaacatg ttaaagaatg atggtttagca 180
gaagctgttg tataacaatct tcatgaaaat ttcagtgtgt atttttcttt ttctataata 240
cctttaactg caaagaaaag gcagtttcaa atataagaaa tttatttcag gtaagggtaa 300
tattttaata gtagtcaata atctagctta aggctgtaac tcttctatcg gggctaattg 360
tatgaatagg tgtcagtatg ttgaagatta ctttcttttg tgactttctt ctacctcatg 420
ccactgttta aaagtaaaay gtattttaat gatgttagaa taagactacc attctaaata 480
tcacctactt atgaataaca tgtaataatt tttaacmtta atgattccmt aaaattgtat 540
tattgggatt agaatgtgyt ttatgacmgt ttagtgtttc ctctgmggca gaaaactctt 600
ttttggrgat atcttccatc aagcagtact cgtgcccata tacaatctct tagtggttag 660
gagaaataaa taaaagggcc ataattggtt gttctctttc agacataatt tagtagggga 720
caagaagtct gttcttcagt gagtacacta gagatttact ctggtgactg ccttttgagt 780
tatgggtgaa gtaaggatg gctttaccat aaccttgatt cattcaccct tgnattcatt 840
tctcgcccc gtcactgata tttccttgag catatatctc tgcctaacac tttagtaggt 900
gctatagagg atacatgaaa agtatgagat ctggttccat ccagtaagac attttaatag 960
agaagatcaa aatgttacct ggcagttggg gaataatctg acttcgttgg cagttggcct 1020
taacttctta atcattgatc caggaatatt tcaaccagag acacaacttt ctggcagaca 1080
gacaaattgt acaacaccaa caatatctg gaccttgaaa ttctgtttac ttcagtccat 1140
tgtatccttt aaggcacctg tgctagccta gattttgtaa taacactgat ttatgagaat 1200
ggacaaaagt ggtagggaaa ttgttccctc tccacttctg aaagtatgat gatgtattaa 1260
ggatggagga gttattaaaa atgtctcttc tgatgaggta acaattagat gaaaccatgt 1320
taaagctgag atgaacactt agaaattcag ggatattggg tcttttagct tatgaatttg 1380
agctgcttat ttaattgggt taatttacta catattagta ctatattcgt aaggattttt 1440
tattaacctt tacagatttt acaacagct agttatatgg taaacagatt attatgcctt 1500
tttgcaattc tgaatatgat tctagtattt gtgtagatgt atttggtact ttttccctta 1560
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gtcagtagaa agcacacaag gttatgattt ttttaattac tggcttctga tttctttcac 1680
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gggtagaatt ttgagattaa tgtaatttt ccttttttgt taatttcagt cccctctcac 1800
tatgcttttg tccagaagga tcaagaattc taccatccct tgggtctttg tgtataaaca 1860
atgttaaata aaggtagact cagtctttaa gatattagac agttttttta gtccatggga 1920
ttgtaaataa aaacattaac tttcctataa gaatattttg gctttgtaat ctatagcctc 1980
aaattggtat ttattatgga ttcactagac aaacagctgt ttccttattg tcttttttct 2040
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ttacagtttt tgaagtcact tttgagccct catcaagctc tcattgtgat gggagggata 2160
cctttttgtt gttaaaagcc tattattgtt aaaggccttt tatggaaacc aacttgga 2220
acaaccttaa atgtggatgt atcagatttg gtttatccag ccattgggaga gaaaacaaac 2280
ctaagtttac tttacttgta catatacact acaatggata gtatatttgc tgtaaacctac 2340
aatgtaaaac ctcaataaaa gtgcgctgta cttcttaatg tttattaaaa gatgtatttt 2400
tacaaaaaaa aaaaaaaagg gcgggcccgt ctanaaggat ccaagcttcc gtaccncgtg 2460
ccttgcgacg nnatta 2476

```

<210> 1206

<211> 630

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (169)

763

<223> n equals a,t,g, or c

<400> 1206

```

ttcatagcct tctccctgat acccctcccc agtgtcacat ttgaagacga gcactgagga 60
tgaggaacca actgaagaat atgaaaatgt tggaaatgca gcactaagt ggccaaaagt 120
ggaggatcct atccctgaat ctaagtttca gatgaactcc cataatgant gatgaatttg 180
tgatgaggga taacctggaa gtggtattca cacattatgc tacaataaaa gggtctaccg 240
tggagaggat ttgacacat tcagtaacta atggaacaca ccgtcaacat gaattcgcat 300
cttacatgac agaagtgatt cagggattcc tatgaataga aatgctgaga aggaacgcat 360
tttattgcag aagctaaaaa gctaaagtac cagtcattca gagagaagga aattaatgtt 420
tcttaataat cctgttaaat gtttgattgt ttttggaatg tgttattgta aagatgtcat 480
gcaggacatg tatatgttgt ctgttgtaaa atgttaacga atactttgtt cagggctcac 540
tctctctttg tcatgaaagc cagctccttg tggcgaggta aagtggaatt ccaataaaga 600
aattccttaa atcaaaaaaa aaaaaaaaaa 630

```

<210> 1207

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1207

```

ggtaacaaca aaatttggtc ggacatcaac aaataaagta aagtgtcctg tatttggtgt 60
taggcatagc atggaaaacc tttttgaaaa gaataaaatc cgagcatcca tatcttataa 120
gtggactcca gaaggaagac gcttggtcac tggagcttct agtggggagt ttaccctgtg 180
gaatggactc actttcaatt ttgaaacaat attacaggct cagcacagcc cagtggggc 240
catgacgtgg tcacataatg acatgtggat gttgacagca gaccacggag gatatgtgaa 300
atattggcag tcgaacatga acaacgtcaa gatgttccag gcacataagg aggcgattag 360
agaggccagg tttatacaca atataccatt ttctgtagtc cctattgtca tggttaaatt 420
attctctaag tgtattctgg gtgcagagat gcatgggctc tgtcagtttc tgggaaactt 480
tctgcaccct ataaacacaa tatttttctt tgttttcaca cattcaccat tttgctggca 540
cctttctgaa gtagtggtgt cccgggtatc gcctttgcaa tatgttagag atgtactgtc 600
tgccgcattt tgcactggtt ttctcttttc atttatgatt aataatgtgt atacgttatt 660
cctttttatt atctactgtg taagacaaga atatttcatt ccaataaag aattcagctt 720
ttaattatgc aactgaataa aatctaaagc ctaaa 755

```

<210> 1208

<211> 600

<212> DNA

<213> Homo sapiens

<400> 1208

```

accaccctga acatgcctga gcttgtcata atatgttgag taccctaaaag atttgtttat 60
attgttaatc ttagggaaaa aaaattaaaa tccagtagat cagaacatca ggctttcaga 120
tacaaattga tttactgggt tttattttgc tgattataat atttggtata ttaaggtaa 180
tctagttaac tagatgctat ttcatagatt atattgaatg atttaaaact ttattttcaa 240
ggatagttaa ttttaaatgg catattgaaa acatcattat taagatccag taggtaggac 300
atttattgga ttaaaatgaa gcatttatct atgtcttttag gtgtcattgt tccctttctg 360
aattagctgt acatataagc cttcctttgg ttttaagtac tgattttttt ttaaaaaaaa 420
gagggactgt ttaccattct tccactgtgc tgttataaag ttgtatttga aaggtaatgt 480
tgtttttatt aatcttttgt cttaaaataa tttaaagtgc tttgaatttt aaaacattaa 540
acaaatcctt aaataacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600

```

764

<210> 1209
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (75)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (230)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (246)
 <223> n equals a,t,g, or c

<400> 1209
 tgcctacgat tcccgactg cccatgggga acgaatccta tatcgctgag cgcttggttag 60
 ggaatgtgga ctgtnaccct gagagtcgtc cttccctctg cctgagtcct tgagcgaaaa 120
 tattgaatag acagcaattc ctgaagtcta aacgcctccc aggactacgg aggattattg 180
 gaaagagaac aagcgaggag atacaatctt caaggactaa atggggaatn acttttttagg 240
 ggtcantaga tgattgatga ttgattacta taaactgata atatgaggcc aaaactaaaa 300
 gttggaagag tgagcaagta caatggtttg ggagaggcaa tgaagaacaa agaaggtgcc 360
 agcccytact ccagacgctg tgggtaccact ggtttggcag gaaaaacaat catcatttga 420
 gagggccagt ggggaagccc tgctctcatg gaaaagctat cttctttcgt ttacactttt 480
 catggtatta tgtctactga agaggtaaaa acaccaaatt tcagagaagc tcttaaattg 540
 cccaatactt caaagcaagt ataactggtg aagcgcttgg cattgatgtc agacacccaa 600
 tgcctatgat ttattttaat cagtagcatt aaggaggatc ctatacgtga aggaacatat 660
 tttattttct tcctttatat tttttgggta aaatatcgtc attatagtta gcaatttgga 720
 atctggctta cattgggtga taaaaataa taatagaata aagcaaatc agaaaacaaa 780
 aaa 783

<210> 1210
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (561)
 <223> n equals a,t,g, or c

<400> 1210
 acccaatttr ggtatgactt ggaagtgcag aaacagargg atactgtag aaaawcctaa 60
 cawtgggtctc cgtgcatgtg ttcacacctg gtctcactgc ctttccttcc cacagacctg 120
 agtgtgaaag actgagagtt gaggagtac tttgtggatc ttgtccaaat ttagtgaaat 180

765

```

gtggaagtca accagaccaa tgatggaatt aaatgtaa tccaagaggg ctttcacagt 240
ccacaggggtt caaatgactt gggtaacaga agttattctt agcttacctg ttatgtgaca 300
gtgatttacc tgtccatttc caacccaaaa gcctgtcaga aagcattctt tagagaaaac 360
cactttacat ttgttgtaa actcctgac gctactctta agaataataca tgtatgtatt 420
cataggaaca tttttctca atatttgtat gattogetta ctgttattgt gctgagttag 480
ctcctgtgtg cttcagacaa aaataaatga gactttgtgt ttacgttaaa aaaaaaaaaa 540
aaggggggggc cccctaataa naaccaagc tttac 575

```

<210> 1211

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<400> 1211

```

gggccgcggc ggaccctcgc tgcctacct ctctcgcggg ttagtgcggg gtcgggctcg 60
gccagtcctg gccagctcgc ggagagcctg gccgaattc ctgcctccac cctctttctc 120
gccgcgaagg tgactgttcc ttttgcccca gccctctcag acccgccccg gattcccagg 180
catcgggaga cgcggaaagg artgggggtct ggtggaggcc cggggcgatc cgctctccag 240
gccgccctcc gcgggcctgc cccggccacc gctttaacgt cggagagaag gaattgggga 300
gaaargttta agagcctgcg amtctgttgc tgaactttc cccccaaga caggcttccg 360
aaagctgcgc cactggaggg atccgggacc tcagactact cgggtttggc cctggcatgt 420
gtgggagcag tttttattag agagaatgct caatttgcaa gttaatttca agtcttcanc 480
cacgtcagga aaaaaacatg aaggaattaa aggangccan gcccgnccaa agataacaag 540
gcgtncaaaa acttggaat ctataaaccc tggcc 575

```

<210> 1212

766

<211> 523
<212> DNA
<213> Homo sapiens

<400> 1212
agggttttttag gaacacaagg ttagtcagga cgtggatccc cacagtggac acgactgccc 60
caccctgccg aggtcggagg tggccatgag gagatgggct gtcgcttgct gtctgagctt 120
ccatccacga atggtgtggg agttcrggat cttcccagac attstttctt cacccttggg 180
aagatggagg gggacggtgg tggcatccct tgcagtctgt gctgcgctga cactttggag 240
aagygtctcc catctgtaga gcagaatcct ctttgagaga atgcagctgt ccttgacctt 300
gaggcagaag gcgtytccat cctggggcatc tgytgcccc tccccatctg gatgcctcat 360
cttgctgtgt cattaatggg aatcttattc taacagcctc ccatgcatca actctatcag 420
tccccgaata ttatctttaa attttgtcag atcgctttgt gggtttcttg ctttttctct 480
tttctatcaa gctattcaaa gcaaaaactg aaagtgaatt tag 523

<210> 1213
<211> 752
<212> DNA
<213> Homo sapiens

<400> 1213
gagcccttg gccagctct tcttgagag agaaggtgct tctttgcaa aacctaagcg 60
cctaactctg tgacatccct tggggctcta gtagaaggc ccccttcttt gatgcagtta 120
tgccgcctta gaattcgga gtgttttgga atccagcagc atcataagat aaccaaactc 180
gtcctcccag aggatctgaa acagtttctc ctacatcttt aaatgcactt agggatgga 240
ttcacaaacg atgtgaaaac attattgagt gttgtagcca ctagaatttt aaaatcaagt 300
tggatttata gagtttgact agttttttcg attagatttg tatttgttat aaacttgttt 360
atggagtttg actaattttt tctattcaat ttgtatttg taaactcaag ccagggtkga 420
aagacactgc atacgtttgt attattagtt agaaggcatg aagacttttt tccctgcwtg 480
gagagtgtca taagttattg ttttgcatat ctactgcatg ccaagcactt tctgcatcat 540
ctaatttagc cctcacagcc actgggtcaa gatgtccaat tttccagagt aaggatagag 600
gagtcaaatt caaatacagg ttttctgaca ttaacttatg tgatgacttg atcgaggcag 660
gcttttccag catcactgtc ctggttccat ctctgctata tgggaatgaa aataaagaaa 720
catatttctt ggcttgctta aaaaaaaaaa aa 752

<210> 1214
<211> 1088
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 1214

767

```

gcgnccgctc gcccggaacc tgaggtgct gggcccaccc tcccggaacc gtccgaccct 60
cgggtggcctc ggctcgttct gccatctccg gtccaccct gggcgaggagg gtggaaggca 120
gcttccgctc aagaggaggg ggctgcggtg gccaccngg cggagsgcca gttattttac 180
caagaaaatg gtttgacga ctttgacat atactatcca tgctgatggg acaggatcca 240
atatgaatat aaatgatgga ggaagacgac gctttgaaga taatgaacat acattacgga 300
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ccacagctgc tgaggtgatt gagtctctta taaacaaact tcactctgac aaaacaaaat 420
gttatgttct agcagaggta aaggaatttg gtggagaaga atggattctc aatccaacag 480
attgtccagt tcagcgaatg atgctgtggc cccgaatggc tctggaaaat cgcttaagtg 540
gagaggacta ccgcttcctt ctgagagaga aaaaccttga tggatcaatc cattatggta 600
gcctgcagtc atggctacgg gtaacagaag aacgtcgag gatgatggaa cgggggttttc 660
ttccacagcc tcaacagaaa gactttgatg atttatgtag tttacctgat ttgaatgaga 720
aaactctctt agaaaaccta cgaaatcgct ttaagcatga aaaaatttat acctatgttg 780
gcagtattct aatagttatt aaccattca agtttcttcc tatttataac cccaaatatg 840
tcaaaatgta tgataaccac caactgggaa aacttgagcc ccacatttat gctgtggctg 900
atgtagctta tcattgccatg cttcagcgca aaaagaatca gtgcatcgtg atttcaggag 960
agagtgggtc tgggaagact caaagcaca actttcttat tcaccacctt actgctctca 1020
gtcagaaagg atttgccagt ggagtagaac agattattct tggagctgga ccagtacttg 1080
aggccgctc

```

<210> 1215

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<400> 1215

```

tccgtacttg aggagacggg acacacagga caagctgcag gtggtgagca ggttcacctt 60
ctatttttgaa gaccgccttc ttctcagggt acctgatctt gaaaacgaac ctcccctttc 120
aggctctgct tcccctcaac ccagacaccg actcgcccaa gggctctcca gctggctgag 180
ttggaacctg ctttttttaa ccacaaggaa aagaagccca gagcttacca agaataatat 240
tttattgact tgggaatgag ttttggaatc tgtattttta acaagctgcc cagtgaaaac 300
catttctctc tcgtcgtggc gcagttccag aggntgcgcc attntttccc aggtcaacag 360
tcctgtgtcc ttgggggagg ga

```

<210> 1216

<211> 825

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

768

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (693)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (735)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (814)

<223> n equals a,t,g, or c

<400> 1216

```

cncactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc gggtcgaccc 60
acgcgtccgg ccagacgtcg cctccggcta ggatggcccc tccgggcccg gccagtgcc 120
tctccacctc ggccgagccg ctgtcccgca gcatnttccg gaagttcttg ctgatgctct 180
gctccctgct cagtcacctt tacgtcttct actgcctggc cgagcgctgc cagaccctgt 240
ccggccccgt cgtggggctg tccggcggcg gcgaggaggc gggggccctt ggtggcggcg 300
tcctggcccg accgagggag ctggcggtgt ggccggcggc ggcacagaga aagcgcctcc 360
tgcaactgcc gcagtggcgg msgcgycgrc sgcccgcgcc ccgcracgac ggcgaggagg 420
cggcctggga agaagagtcc cctggcctgt caggggtccg ggcggctccg gggccggaag 480
caccgtggcc gagggccccg cggggaccct ggcgctgctc ctggacgaag gcagcaagca 540
gctgccgcag catcatcatc ggaktgaara agggcgmac gcggcgctg ctggagtcc 600
tgcgctgca ccccgacgtg cgcgccgtgg gcgccgagcc ccacttcttc gaccgcagct 660
acgacaaggg cctgcgctgg taccgggacc tgntgccag aaccctggaa gggcagatca 720
ccatggagaa gaagnccagt tattcgtaa gcgggaagcc cccgcgcgca tcttgggcat 780
gttccaagga caacaagctc attcgttggt tgtncgggaa ccggt 825

```

<210> 1217

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

769

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<400> 1217

```
gtgaaaaaaa actatagtac acctgttatg agactgtcac tttgtacatt gttgagtttt 60
tattatccac ctgtagacta gagtggacca tgaattcttc cactttcttc aatcccattt 120
tctaccatgg aatcactaag agcaaagtct gctctgttcc tgaagctcta taagctacag 180
atggataact caatgtaaatt ttcacgggaa aacactcatg cctaagggtgt gggccactca 240
gagctcacca gtatgttcaa cactataact agagacactg aaactgcaaa ccaggacaag 300
aaattgacaa cttcacgctg tagacagctt ttccaagat gtcagaacaa gacttcctac 360
catgatgagg ctcctacccc tcttaatttg cctagctcat gcctgcctct ttcacttgca 420
ggataatggt gnnattagaa tttcacagga agtatcttct gaagggtagc ttaacagaag 480
tatcagantc tatgatatca cntaccnaaa tttttac 517
```

<210> 1218

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

770

<222> (753)

<223> n equals a,t,g, or c

<400> 1218

```

ccgacttact ttagggaang ctggtacgcc tgcagggtacc ggtccggaat tcccgggtcg 60
acncatnctg ccgaccaccc aaggggtgagg agaggggctg gaagccctgg gcattaggag 120
aagggagtgg gtgctggcat ggacatgact ggatagaatt ttctcaggag ggagcttggt 180
ggattttgaa ggtaaaactt tctgggttta tcatgtttta attttagaga cagggagtga 240
tgaatcatca ccggttggtc ccttatctaa ctccataaaa gtgggaattt caaaagaaca 300
cctcatccaa ggagctgggg cagacttcat tgattctaga gagacctgtt tcagtgccta 360
ctcatccctg ccctctggtg ccagcctcct taccatcacg gcttcactga ggtgtaggtg 420
ggtttttctt aaacaggaga cagtctctcc cctcttacct caacttcttg ggtgggaat 480
cagtgatact ggagatggct agttgctgtg ttacgggttt gagttacatt tggctataaa 540
acaatcttgt tgggaaaaat gtgggggaga ggacttcttc ctacacgcgc attgagacag 600
attccaactg gttaatgata ttgtttgtaa gaaagagatt ctgttggttg actgcctaaa 660
gagaaaggtg ggatggcctt cagattatac cagcttagct agcattacta accaactgwt 720
ggaagctctg aaaataaaaag atcttgaacc canaaaaaaa aaaaaaaaaa aaaa 774

```

<210> 1219

<211> 556

<212> DNA

<213> Homo sapiens

<400> 1219

```

gtttagcaca aagaaaagcc atcttggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcatgatct tgtggatagc tgtgtcccgaggagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa ggttctcgaa ataagaatga 240
caagtgtatg ttctttttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300
aacaaagagt tctgaggatg ggtgtaagca tggaaatggtg atggagttct cacttaaaga 360
cctttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420
gctttgccct gtcatttttg gtcatgaact tgtaaagca ggtttggcat tagcactctt 480
tggaggaagc cagaaatacg cagatgacaa aaacagaatt ccaattcggg gagaccccca 540
catccttggt gggtttt

```

<210> 1220

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<400> 1220

```

gtgtttaatg atctgtaaaa tgtagattat cttcttttat tatgaatgtg attgtaagaa 60
acaccctaac attctctaac ttttgaaaat gaatatattg tatttctaag gamcaaggaa 120
aatatttttt aagccmatgt antacaca

```

<210> 1221

771

<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<400> 1221
ggtttttcgc agcgccgggt gtgttcgggt aggtgttgcg ggcaaggaag taggcagcgg 60
cccctgagca gccgcctcgc tccggcattg cggggacacg gcggggctga ggccacgaga 120
gcagggcccc agccccggcg gccgtggtta cggttttctt gcaactgaaaa actgaatccg 180
gcccgaagcg acgtgcactt tatgggtccc acaccactcg gttaactaag aaaagacccg 240
ggcgaatgga cctaacgcaa cccgggtgcc anagggcccc gtccagcagc ctctggggcc 300
cartgcgcag ggcaactgcgg gccgattgc 329

<210> 1222
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 1222
ggcagaagct tgaggtcctg aacgtgctac gcaacccctt gtctcgtgtg gatggggcgc 60
tggccgcccc ctgtgacctt gacctgcagg ccgactgcaa ctgtgccctg gactcctggc 120
acgacatccg ccgagacaac tgctctggcc agaagcctct gctctgctgg gacacaacca 180
gctcccagca caacctctct gccttcctgg aggtcagctg cgcacctggc ctggcctctg 240
caactatcgg ggcagtggtg gtcagcgggt gcctgcttct tggacttgcc atcgtggcc 300
ctgtgctggc ctggagactc tggcgatgcg agtggccaga agccgggagc tgaacaaacc 360
ctgggctgct caggatgggc ccaagccsgr tttaggcttg cagccacggt acggmagccg 420
kagcgcccc aagccccaag tkgccgtgca ttctgcccc tncacttccc nactattgag 480

<210> 1223
<211> 1299
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1254)
<223> n equals a,t,g, or c

772

<220>

<221> misc feature

<222> (1267)

<223> n equals a,t,g, or c

<400> 1223

```
gctggccaag gcgctgcggc ccacaaaaat catcttcctc aataacacag gcggcctgcg 60
cgacagcagt cataaggtcc tgagtaacgt gaacctgccc gccgacctgg acctggtgtg 120
caacgccgag tgggtgagca caaaagaacg gcagcagatg cggctcatcg tggacgtgct 180
cagccgcctg cccaccact cctcggccgt catcaccgcc gctagcacgc tgctactga 240
gctcttyagc aacaaggggt cggggaccct gttcaagaac gccgagcgaa tgctacgggt 300
gcgcagcctg gacaagctgg accagggccg tctagtggac ctggtcaacg ccagcttcgg 360
caagaagctc agggacgact acctggccyc ctgcgccgc ggctgactc catctacgtc 420
tccgaggggt acaacgccgc cgcattctga ccatggagcc cgtcctgggg ggcaccccg 480
acctggacaa atttgtggtg agctccagcc gccagggcca aggtccggc cagatgctgt 540
gggagtgcct gcggcgggac cttcagacac tttctggcg ctcccgggtc accaacccca 600
tcaatccctg gtacttcaaa cacagtgatg gcagcttctc caacaagcag tggatcttct 660
tctggttttg cctggctgat atccgggact cctatgagtt ggtcaaccac gccaagggac 720
tgccagactc ctttcacaag ccagcttctg acccaggcag ctgacctca ccatggacac 780
tacaggccct ggaatggcca ggggtggacca aaagccatgc cagctgggca tgaccccagg 840
cagccagcca caggctgaag ggggcttggt ggctgagtga tctgcagagg agaaagcagc 900
cccagctctg ccagaggag gcgctgaagt gggacaagca caggaaagaa ggggaccagt 960
ctaggacccc aacttgactc actctaaagc tacaaccaa tggccttcga ttttcaacct 1020
gggattagg ggaggggagg gtgccttcca gggctctact caggactaac cctaagggtg 1080
agctagtttc tgtgcctctg tgctatgttt tgaggctccc ttacccaaaa taataccct 1140
gcctgcgtga tattctacca ttcattttaa ttcctttggg tcttgagtt tttcaggagg 1200
ccttgattaa aatgcaaata cttgtctgag aaattccgct tacactttga aaanaaaatt 1260
aaaattnacc cccttggaag caaaattttt tttttttt 1299
```

<210> 1224

<211> 1062

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1047)

<223> n equals a,t,g, or c

<400> 1224

```
tccagagaga aaataggccg tgtctcaaag aaaggttctt ggtctatgcc tctggtctgt 60
gggctggcar ggcaaccata ccatacyccc gccagtcctc ggctcctgct gcaaagttgg 120
catgtttcac agggaaactt ttggaagagt ggctgcttat gagattccaa aatgaagtgt 180
tggccaacac cgctcatggc catcctggat tttcccagtg gcttcccttc ctgctcgcct 240
ccctgaacag gggagaaagc ttaacctctc ttctcctctc caaacctttc accttgaatg 300
ggtaatgttt ggtggggggt gttccttctt ggagaagcct tgagtcggac cattttgaga 360
tcatggagga aggatgaaga agtgaaaatg acaataatga ctctcaagag gctggcgatg 420
tgacatggca aatgtagaac tgacttaaat tgaacaaacc ctactgagc acctctgatg 480
ttgagcacct gctgaatact gagcactgaa tgggggaggg ggaggggagc acgggggtgag 540
tcaacctggg actcggctctc agggatatgc ctaccaatag cgggtatcgt aaggcatgta 600
```

773

```

cccaaacata acggatgtaa ggcagaaagt gatcggagaa ggaatgagaa agtgtgcgtg 660
atgttaatga aaagtcatat gcagctagag cagacccagg aaagctttct ggaagagatt 720
gcatctgagg aaattcagga aggatctttg tagattgggg ggagattcta aattgaaggg 780
gtgatrgggt gaggggccag agggaagtct gctgtgttct catgtaggat gtcagccctc 840
cctgcaactt ctcttttttg ccaatgtctt ttcactttcc tgacccttta gaatcatecc 900
cagccagacg caatcatgga agttgcctta ttgtcactgg ttaagaactt ggcgagattg 960
aagggctttt gttattgttg ttggatattt ttgtttccca taaaagcaca tcatttcaac 1020
cctaaaaaaaa aaaaaaaaaa aaaaacncgg gggggggccc gg 1062

```

<210> 1225

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (596)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (602)

<223> n equals a,t,g, or c

<400> 1225

```

aaaaatggga tgaaccttgg tataacccaa aaacagaaca tcaaagaaat agcagtaaga 60
ttctgagatt tatttcagac ttctttgctt ttttggttct ctacaatttc atcattccaa 120
tttcattata tgtgacagtc gaaatgcaga aattttcttg atcatttttt attggctggg 180
atcttgatct gtatcatgaa gaatcagatc agaaagctca agtcaatact tccgatctga 240
atgaagarct tggcacaggta gagtacgtgt ttacagataa aactggtaca ctgacagaaa 300
atgagatgca gtttcgggaa tgttcaatta atggcatgaa ataccaagaa attaatggta 360
gacttgtagc cgaagaccaa caccagactc ttcagaagga aacttatctt atcttagtag 420
tttatcccat cttaacaact tatcccatct tacaaccagt tctcttttca gaaccagtcc 480
tgaaaatgaa actgaactaa ttaagaaca tgatctcttc tttaaagcag tcagtctctg 540
tcacactgta cagattagca ngttccaaac tgactgcact ggtgaggtcc cggcanccaa 600
cnggcacc 608

```

<210> 1226

<211> 889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (850)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (882)

<223> n equals a,t,g, or c

<400> 1226

```

atccatttta ggtactctac tgactttttc cttcacttgc caagcccttt tattgttcac 60
tgttagaaaa atagagaagg tgagacagct gggggaaaat gtggagtaaa tgataatcaa 120
atgttgaatt ctaaaagtct ctacatttac ctagggtggc tttctcccc agttcagaag 180
tttccagctt ggccaatcat cagaatcact tgaggaactt agaaagaact ccctggctgt 240
agctcctatg taggtttagg ttgagactct ggattccaca atttttaaaag gttaccatct 300
gagggtttctg atcatagtct acttttgaag cagctgctgc trtttcttta ttccattgaa 360
caccckggaa ttgacataat tttatctatc agcatttctc cccttttagt ttatttaata 420
attaaccgga tctccagggc agttttcata tgaccatgtg tatattcact gctcacgaaa 480
aagtttaatg ttagattacc aaatttaata tagttacaga attactgcat aagggcttcc 540
cttcttggag actcttacc agcatgggaa cagtgatctg cccacatgac aggggtggat 600
gccaggcata gttaactgct tttggttgtg aggtactcat cttcctttag ttacccttag 660
ttatgtggca cacatgtcct tattgcctag ttcgtcatcc acactttgga tcttgtgaaa 720
atgctgttag tatccaacct taaaatatat tagtatatgg gtttttatta aaagaattac 780
tttgaatttt ctatttaatt catatgtaaa taaaggaaca tttcatttca cttaaaaaaa 840
ttatatcagn tattaagctg ggtgcaagtg gctcatgcct gnaatccaa 889

```

<210> 1227

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (693)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (730)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (736)

<223> n equals a,t,g, or c

<400> 1227

```

ggcacgaggg gaaatgcttc tgccgcaagt ctactctcac gaccacctg aggaccaca 60
caggagagaa accgtatgaa tgtaatgagt gtggaaaatt cttctctcgg ttgtcatatc 120

```

775

```

tcaactgtaca ttatagaact cattcaggag agaaacccta tgaatgtaat gratgtggaa 180
aaaccttcta cctgaattca gccctcatga gacatcagag agtgcacaca ggagagaaac 240
cttacgaatg taatgaatgt ggaaagtat tctcccagtt gtcatactc actatccatc 300
atagaactca ttcaggagta aaaccctatg aatgtagtga atgtgggaaa accttctacc 360
agaactcagc cctttgtaga catcggagaa tacacaaagg agagaagccc tatgaatgct 420
atatatgtgg aaaattcttc tctcaratgt catacctyac tatacatcat agaattcatt 480
caggagagaa gccctatgaa tgtagtgaat gtgggaaaac cttytgscag aattmagccc 540
ttaatcgaca tcagagaaca cacacaggag agaaagccta cgaatgttat gaatgtggga 600
agtgtctctc tcagatgtcc tatctcacta tacatcatcg aattcattca ggagagaacc 660
tttgaatgta tgagtgtnga aagccttctc tcnggtgcat acctcactgt acatatagac 720
ccttcagggn gaaccnatg                                     739

```

<210> 1228

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 1228

```

ctttgttnca ttgccattt tgaaaaaggg aattatttct cagtctttca aggcttgaga 60
ctaatatagg ccattgtgat tcaggaagaa acccaagggt ggaggggtggg atgagtaccc 120
tctgaaaaag ggaatttgct ggtgaaaaga ggctggatct tgtggaagac tgtcttggat 180
ggggaagtac tacctggaga tttcaaattc acttggcctg caaacaacag agttatccgt 240
atcttcacac tgtgaatgtc attgcaaggg tgactctaga caaactacaa accgatggac 300
cgtaagctc cccaggagcc ccttggatgg cagcgttgct tcagagtgtt tcctgtttct 360
ggaattcctt gttaggggaa tttaaagaag aaaagaaaaa cttgaattgt gttgaattac 420
tgtatctttt actttttttt tttgaaaaga taaacttgta aatagagtga tttgaaatac 480
taaaaaaaaa a                                     491

```

<210> 1229

<211> 1596

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 1229

```

cactggcggg tcgcaacgct gtgggcgttc caggaggtgg tcgtggcgaa cctggcngct 60
gcatgagga aactgaggcc ctgagaattg actcattcag atcacttccc atgatcacgc 120
agctgagcag tttccaatac agaattcaga tttgggggttc cctacttcsa atccagggtct 180
ctgtgtccca cacttgtctt tcgtgtccca tgtttgaaga aattaatatt gtggaagaac 240
agttttaagg cttagaggaa cttgarttag gatccgtact tggcagatga ggaaattgat 300
tctcatggat gtaaattcac tgtttgaggc cacaacaggg catcatggag ggaggcttga 360
agaggaaaca ctctgatttg gaagaggagg aggagaggtg ggagtggagt ccagcaggcc 420

```

776

```

ttcagagcta ccagcaagcc ctgctccgca tctccctaga caaagtccag cgccctgggc 480
ccccgagcac ccagcctccg caggcatgtc ctcatccata acaccctcca acagctgcag 540
gctgcacttc gcctggctcc cgcccctgcc ctgccccccg agcccctctt cctgggcgag 600
gaggatttct ccctgtcagc camcattggc tctatcctca gggagctgga cacctccatg 660
gatgggactg agccccctca gaatccagtg actccccttg gcctccagaa tgaagtgcc 720
ccccagcctg atccagtctt cttagaagct ctgagctccc ggtacttggg ggactctggc 780
ctggatgact tctttctgga cattgacaca tctgcggtag aaaaggagcc tgcacgggcc 840
ccaccagagc ctyctcacia cctcttctgt gccccagggt cttgggagtg gaatgaactg 900
gatcacatca tggaaatcat tctgggggtc taaaactgtg atagagggga tcgatccttc 960
ctcatgtcat cttcggtggc ctggatccct gaatgcaact ctgggtgtgt gtttttgtgg 1020
gggctcgaag cagtgactat ggctccttt gtccccattt cagggttcca caaactgtct 1080
tgcattgtgt tgtgtgtctg gttaccccga cttctgtga aggtgggtct tcctgaatta 1140
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cacatttctt ccacctttcc tgctagtctc cactcccctg tgaccactgg ggctcaggg 1260
aagataaaga aagctgggcc tgtcgaagga tgacagggat gtgctgccag gttgctatag 1320
aaaccaggc tctgcctctt gcaccttgag ggggtgggag gggctggtgt cctccctcca 1380
ggctgaacc cacttcctcg gcaggacccc agtctcagca gcctcctgat ttcataacca 1440
ggccggacca cgtgcaatag ggtggaaacc aaactgctcc atgccgggtt atttaaaaga 1500
aaggcagagt ttgtggtggc tttttttttt ttttttggat tgtttgaat ttttttaaat 1560
aaaagtattt tggaaggaaa aaaaaaaaaa aaaaaa 1596

```

<210> 1230

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (563)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (578)

<223> n equals a,t,g, or c

<400> 1230

```

cctcgagtag cacttttagtg aggctgtaag tacaggaatt attcttacct cacagacaga 60
tgagcagttg ggcttctaaa agataaagta agtcctctga aatgacacag agaattcattt 120
ctctatgaaa gatcagggtc agcatccagg ttttgcaaag cccaactcag tgtacttttc 180
atttcatctt acgttgctta agaaggccag gcatgtaaca ggtaccatct gctagcgatc 240

```


777

actgaatgca ccttggctag cgggtggggg tgtagaagat gatgcggggt caccaagaca 300
 gtacattkga gaaactgcca ttctttccct tagrtgctga ctggaaagct tctagggccy 360
 awctgtgtgc cttattcagg grgacycata aagatcttgg aaagtgtaaa tgaacatgtt 420
 ttatgagtag aaatgggtcca caatttagca gatagaaagc ctgggttcta gccccagctc 480
 tgccattagc tgtgtgatca tagataaatt ctttccctc ttgagggttg aacatnactg 540
 actctacaaa gaancaaatt ggntctggaa gtggatanca 580

<210> 1231

<211> 1676

<212> DNA

<213> Homo sapiens

<400> 1231

ggtttcaaat atgtggtaaa attctgtgac ctgccatatt ggatttaaaa cttcatcttc 60
 atcttaaaac ttcattctttt gaaatctctg aaaatcatta gtgtgcatgt attgaacacc 120
 agtctttatt ctgtaattaa cccccagat ttctttcccc tcaccttatg ccatccatct 180
 gtgtgttttg tttccagtat gccatgtgga agagggtgta gcctttcttc agcccaagaa 240
 ggaaacttta aacatatttg cacaataaaa tttcaaatta aacatttcaa aaaggggtgt 300
 cagactagaa atacatgctc ttctgaaatt ccatgttgca actgtaactc ctgtcatata 360
 taccagtggt atgaggaaaa gttcttgcag tttcacact gcccttctgt attgctgcct 420
 ggctgtgctc tgttgttgga actgaaatat gaaattttta ctttgaagta tgttaatgtc 480
 aaagtgtatc gtattaagtt tkgaaatcct ttgaggttta tctaataagt gtgttggagc 540
 ttctgtctct tctggtaata ctgtaccctg ttgaaccaag aacagtttta ttgtttgtgg 600
 gacttcgttg gttttctaata accataacct gtgtccctgt gcagtcaggg ggtcacttct 660
 ttaagatcat gtataatacg gcccgctata tacacgtaga tagagccatg tgattccaga 720
 aattagaaga ctggatctgt ggaatccata catgttaaaa ttttgccaaa atgagatgat 780
 taaaattttt gtgagtttta taaactgttg cagttcgcct tactgatttt tcaatgataa 840
 tcacttttat gggaaggggg cttaggaaca aaaaactttg ccaagaatgc aaaatcttac 900
 tggtttttaa agcttgtaac agttgtgtgt aaaactttta tatttgaaac gtaaactcac 960
 ctttctgcc actgctttca ttgcactttt cataccaagt tctctccaac gtgggtgtctg 1020
 aaagattttt attatataca ctctttatgg aattcaatga agtgtgggta tgctgtgttt 1080
 ctgaagtttt taggcttttc ttcattggcc tgcctaatac tagtgtgttt ctataacttc 1140
 agatgattca aaagtttagt gcttcattgt agcaaaaaat gtatataact cataatatcc 1200
 tacatgtagt attcaaaatc aattattaat aaccaataaa ggactcaaca ctttttcatt 1260
 gcgtgttctt ctttaagaca ctaaaactca tatctcataa tttctgaatc cgcaatccct 1320
 attcattaat tgattacagt ttttgagttg ttggaaagcc tagccctctc agattcaggg 1380
 ttcagaaaga attaccaggt ctggtaaaat tgtctgacta gcccttagcc tcagaatggg 1440
 caacttcata gtataagcaa agaaagtggg gatctcatat agtcagcttt ttcatagaaca 1500
 ttaattcatg gtgaatgcac tcacagcaac caaaatccaa aaaaaaaaaa tgttcatcta 1560
 aaaccttaaa cattagcttg gctcattgag ttcttggtag aacctgcttt tcatatgaca 1620
 cagtatcaaa catgatttca gatgaaatgg gtggtgttaa tattgtgtta aagaaa 1676

<210> 1232

<211> 394

<212> DNA

<213> Homo sapiens

<400> 1232

attacaggca tgagccactg tgcccggcct tcctttcttt ttaataagtg tatgtatctc 60
 aaagccattg cttctcttag aaatctgttt ctctgttctg gaagagccta taaactttgc 120
 cttcagttgt ttttcttttc aaaaggaac accagtggta gatgattaac tcttatttat 180

778

```

ttttaaaatt taatttggat ctatagtcag tatctgagat ttataggatg aacttttggtt 240
tacaaggaac agtgtagtta aaaagttagg gtgcctatgt tcttatgtaa tcatcaacat 300
gtttgttgta taatcatcaa catttttctg aatgcaatga tgaacatttc aaacaataaa 360
tgaaaaatgaa actaagtatc aggaagtagc cagt 394

```

<210> 1233

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 1233

```

cttacatcta ttttgattga cttgaaataa aatttaacac ctcaggggaag gcaattotca 60
tgtgttttga attatactga gcattaattc ttcaggataa ttatagactt ggaaagggtt 120
aaccagctct cccagtcctat gctgaagtcc ctttaagtga taggaggaac tcataatcta 180
caaggcaacc caatccattt ggtgctacca tcgattgtta taaagcccat ccttgggtta 240
aaatctacta tttacagttg tatttaatga ccttaattct gccctcaagc tatataaaat 300
ttggakctgt kttctacatr ataatctttt agatawctta aggtagttag tctatcctct 360
cnacccttcc cctcacagtt tttccacctt ttggagataa atatccttcg ctattccaac 420
tattttctcat atggtatcat tttaatcatc ccnattgctc cctaaggatg ttaaactttg 480
ttnatgtccc ttccaaaatg t 501

```

<210> 1234

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

779

<400> 1234

cagccccggc gtccgccccg ctgccccctc ccccgggggc catgggggcg cccccgggct 60
accggccctc agcttgggtg catctcctcc accagctgcc ccgcgccgac ttccagctcc 120
gcccgggtgcc cagcgttttc gcgcccaaga gcaggaatac cagcaggcct tgttgctggt 180
gggggccttg gcgggcctgg gcttgggcct gagcctcatt ttcacgctg tctacctcat 240
ccgcttctgc tgctgccggc cccccgagcc ccccggggtcc aagatcccct cgccccgggg 300
aggctgcgct acctggagct gattgtcccc ttntcgncgg ctgcactggc attggcatcg 360
g 361

<210> 1235

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 1235

caaaaaaaaa aaaaaagaac agccttttta ggccacagtg acctgcgcaa tgtttatatg 60
ctttgacctt ctaactttct cctaactaaa tatttgattt taggagagtg tttaaataaa 120
ttacagtatg tctatatgat gaaatgttat tttgccatta aaattttggt tacaagata 180
atttttattg acataaaaaat aactttaatg taatttatgt tgaaaaagct gaatacaagt 240
ctttatatag agtaatatgt gagctgtgtt caaaaataga taggaaaaga ctgataaaat 300
gaaatatggc aaaatgttaa tagttttccc tggaatagga taataggcaa ttttaaaaca 360
gactccttta aaaaaacaaa caaacaaaaa aaacatagac ttctttatat cttttgagct 420
ccctcccttt tattatgtaa tgaatatgtg ttgcttttgt aataggaaaa taataaagtt 480
aaaatttcaa ctgcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaanccn 548

<210> 1236

<211> 866

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<400> 1236

tgagttcctg tgtgctgtc acccagcccc gccacaagag gtgctggggg cagtgtccac 60
accccccttt cttaggagcg ctgagtctca gatgtgactt atagggtatt tcttatggca 120
agacagttaa aacaaacttc agcgtctcgt ctgtccttct atggctgtgg cttctgatgt 180
tctaattggc ttctcgtcag ccggggctga gnaacaaat aacatagact gtggggctta 240

780

```
aacagcagaa acttacttcc catggttctg gaggttggga gtcttggatc accgtgtagc 300
atggtcagggt tcctggtgag ggtgggattc ctggctaacg taacgaaggc tccctctcct 360
gataccgtgt cactgggggt gaggttcaa cacaggaatt ttggggggac acatcagcat 420
tcactccatc acaggtggtt agccctttaa tccacgggaa ttttgttgg ggttgtgtga 480
gatacgggtc taacgttttc tttttcaa atcgtagccag ttgtcacatc atttattgaa 540
aaaggaatct tttctccacc gactgacatg aaatgctacc atcatcgtaa ataaaattcc 600
cgtaaatact tgctgtctct gctgtctcag tcctgactca cgggctgagt tctctttctg 660
cacagtagca ctggcattaa ctgtgacagc tttacagcag gtcctctccc cgaggccggt 720
cagaagcatt cctcagcggg tcctacacgt ttcctctccc atgtcaagtt taggaagcag 780
tgtcaagacc cacagcagtc ctgctgggagt ttttaagggat gcacggagtt tatggggaca 840
gtttgggraa attgacattc atgtgg                                     866
```

<210> 1237

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1237

```
gaaaagtgtg gaggctaggg caggcagggt gttaggactg aaggtttgcc cattctgctg 60
cctccatctc agctccagct ccatccccct ctccacagaa agcagttggt gacacgaggt 120
tctatacttt tcttctgttg ctctcttgac ttaacgtgaa aacagggat atttgaacaa 180
actgtctgtc ccaggcaggg gctgggcagg gcctgtgtgc cttgctcagc ctcctgacag 240
gacacttttg ttgcacttag aatttacatt ttaatggatg taaaaacaac tgtgagagat 300
gtctgggcct gcagaagtcc agcattgtct aaaaaagcgt gtgttctagt gaacattttc 360
atatatattt attggttata gcctgttaaa atattttctt ttttgatta tttatcccc 420
tacattatgt atttatatga gggaaaaaaa ggaaaaaatt gtactttttt agtattttacc 480
tgttacaaaag gacattgtgt ttcctgtcat gtaaaaccag ctatttttagt tactattgta 540
ctctagaaaa gagctgtaga tttatgttaa actcgtactt acgaacaatt gtaattagtt 600
ctaaaaggca tgaactcagc tcctaactgt cactgtatag tcctgaattt gtagaactag 660
agttaattcc ctcttggaac tttctttgtt cttcagtagt tacttttttc cttacctaaa 720
agggttgtct gtcaaacaat tcttgaataa actttctgtt atcaatttta aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa                                     799
```

<210> 1238

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

781

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (672)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (675)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (700)

<223> n equals a,t,g, or c

<400> 1238

```

ggtattactg gagaattgtc catattttaat ataattttaac tgtcttttctg aaagaataaaa 60
gaagttttta tttttatttt ctttaggttag aacaaaaccg aataaaaacta ctaaatagata 120
aagctgttgc tacatcacag cttcagaaaa aacttgggca gcttctttac ctaactaatt 180
tggaagaagg attgtttcta agacatgcta ctttttcta tgctgcatta tcataaacca 240
cttttagtgac tcctttcata attaatgggtg caaattgttg taattagtag ttggtgttat 300
atgagtcaag aacactacct atgtctctac aatagcttcr agatcacaaa agaataattgt 360
atctatagaa atttattatg cagatgatag agaaggcatg cactcgatag tagagaacaa 420
tgtaaatgga ctgtagttca aagccttgaa tagtaaaagt attaaaacat atctcgggtga 480
aactggcata atgcaattta tcacatgcat tcattcatca atacaaaaat atggtgnaat 540
ttggtatttg aaactgaagt gtggttcgaa agctactaaa tcagagacat ggnaataaaa 600
ggagactcaa atattagtaa ntcaaaacac atgtctgggt atgaacngaga ttatccggca 660
ctggtgaatg gnggncattg ttaaaataat tcatttttgn cggaaaaatt tgtaattga 719

```

<210> 1239

<211> 339

<212> DNA

<213> Homo sapiens

<400> 1239

```

agtctgcctc agcctcccaa agttataaga tttttttcct ctgggttttta gtaaatgttt 60
tttttgagat tgcttagcac cagaatgatt tgcaaatttg aaaataggaa ctccactagg 120
aatgccggat agaagagtgc ttcacatttg tagagggaga caagaactaa atatcacgac 180
gtcttttctga gccttttggg ttgctaactg gccccaaatt cttattccaa acggtataag 240
ataattatgt gtaaatgaat accagctcta cttagtttta tttcatattt gtgtatckga 300
tatattaaaa tatctttttt ttttttttga aaaaaaaaaa 339

```

<210> 1240

<211> 229

782

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (177)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<400> 1240

```
gcaggcgtga gccactgagc ccagcctact tttmagtttt waacataatt tttgttttat 60
ccacaacttt tcaagtattg aaagtagaat aaaaacatgg gttcttagtc tttrgctatc 120
tggtgaagcc tatgaatgcc ttcttaaaat catgttttta aatgccttaa atatatngga 180
ttacaaagga atcttattat tcgaaatagc gtnttaaaat gtttaaaaa 229
```

<210> 1241

<211> 1075

<212> DNA

<213> Homo sapiens

<400> 1241

```
gccccagctc gtgccgaatt cggcacgagc agtttttaac ataatttttg ttttatccac 60
aacttttcaa gtattgaaag tagaataaaa acatgggttc ttagtcctta gctatctgtt 120
aaagcctatg aatgccttct taaaatcatg tttttaaatg cataaaatat ataggattac 180
aaaggaatct aattatatcg aaatacagtt attaaaatgt taaaagataa gtttggtata 240
tattaatatg catgcttctt tataaatgca ttaaataaga gttaatagct atcctaaatt 300
tgaaatagtg ataagcataa tgaaaataga tgcaaaaaac taatgtgata tgaaaatata 360
tgggtttttc ttttgatgat gaagtattgc taatattacc gtgggttatg aactatgttc 420
agaattgaag aaaatcctaa ctttcagtta gaggttagtg acgggggttc ggacacccta 480
cacaaaatac agcactttga catattgaat attttaagct gaaggcattt gaggaaattg 540
cagaagcagg aaggtgactc tgaccttctg cctgctgttc tccccagaag cagccataaa 600
acctgggaag gattttctga ccttcccctg aagtagatca taagactgtc atgtaagagg 660
tgctctcctg gcacccagag aaaaggagca tccttacctc caaaagcaca gggacacaaa 720
gaggaatcta aacaaacagg cctctcagtt tccccagtt tattacattt agcttggtca 780
cactttgccc tatgacattt ctacatcact ggctgtctct catcaaacct actataaaaa 840
acattcaagt tcaactgttt ctttgggcct ttatttctct atggagsecc tcgtgtcgtg 900
taaaacttat attaaataaa tgtgcatgct tttctcttgc taatctctct tttgttatag 960
agatctcagc cctaaaccta ggatggatag aaggaaacat atgttctccc ctacattagt 1020
aaaaataaaa atggaatttt ttaccataa aaaaaaaaaa aaaaaaaaaa aaaaaa 1075
```

<210> 1242

<211> 336

<212> DNA

<213> Homo sapiens

<400> 1242

```
gatgggattg tacactttct ggttctctct caagtccaac cagtatgtgg taacctgtct 60
```

783

```

cttcccactt catttgtggc actggtttgc agtggacaaa aggtccgtgc tcctcttcta 120
acctaactctg gactgggttg cccaaagggt gccctgccac actgccagt gcctaattag 180
ctgtttttctc tccaaccctt ccaaacactt atcatgagta atttctcttg tctttakagt 240
tgccaaatst aatctctgta aatacaaatg tggtagact tcttctcagg agtttcagca 300
aatgaaacaa taaactcttt ttaccctga aaaaaa 336

```

<210> 1243

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (752)

<223> n equals a,t,g, or c

<400> 1243

```

gggtcgaccc acgcgtccgg aatgttttgg tgaataaatc tggtcttcag caaccctacc 60
tgcttctcca aactgcctaa agagatccag tactgatgac gctgttcttc catctttact 120
ccctggaaac taaccacgtt gtcttctttc cttcaccacc acccaggagc tcagagatct 180
aagctgtctt ccatcttttc tcccagcccc aggacactga ctctgtacag gatggggccg 240
tcctcttgcc tccttctcat cctaateccc cttctccagc tgatcaaccy ggggagtact 300
cagtgttctt tagactccgt tatggataag aagatcaagg atgttctcaa cagtctagag 360
tacagtccct ctctataaag caagaagctc tcgtgtgcta gtgtcaaaag ccaaggcaga 420
ccgtctctct gcctgtctgg gatggctgtc actggctgtg cttgtggcta tggctgtggg 480
tcgtgggatg ttcagctgga aaccacctgc cactgccagt gcagtgtggg ggactggacc 540
actgcccgct gctgccacct gacctgacag ggaggaggct gagaactcag ttttgtgacc 600
atgacagtaa tgaaaccagg gtcccaacca agaaatctaa ctcaaactgc ccacttcatt 660
tgttccattc ctgattcttg ggtaataaag acaaactttg tacctcaaaa aaaaaaaaaa 720
aaaactcgag ggggggcccg gaaacaaacn gn 752

```

<210> 1244

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1244

```

aaaattagac acactttaaa ccttcaaaca ggtattataa ataacatgtg actccttaat 60
ggacttattc tcagggtcct actctaagaa gaatctaata ggatgctggg tgtgtattaa 120
atgtgaaatt gcatagataa aggtagatgg taaagcaatt agtatcagaa tagagacaga 180
aagttacaac acagtttgta ctactctgag atggatccat tcagctcatg ccctcaatgt 240
ttatattgtg ttatctgttg ggtctgggac atttagttaa gtttttttga agaattacaa 300
atcagaagaa aaagcaagca ttataaacia aactaataac tgttttactg ctttaagaaa 360
taacaattac aatgtgtatt atttaaaaaat gggagaaata gtttgttcta tgaaataaac 420
ctagttttaga aataggggaag ctgagacatt ttaagatctc aagtttttat ttaactaata 480
ctcaaaatat ggacttttca tgtatgcata gggaagacac ttcacaaatt atgaatgatc 540

```

784

```

atgtgttgaa agccacatta ttttatgcta tacattctat gtatgagggtg ctacattttt 600
aggacaaaga attctgtaat ctttttcaag aaagagtctt tttctccttg acaaaatcca 660
gcttttgtat gaggactata gggatgaattc tctgattagt aatttttagat atgtcctttc 720
ctaaaaatga ataaaattta tgaatatgac ttaaaaaaaaa aaaa 764

```

<210> 1245

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1245

```

ttttgggtgat tccgtagtca actatcgtgt tgccttagct ctctttcaag tcacaaacac 60
agctggcctt aagtatttat ttaagcatct ttatatcctt gtttacttta aactccttga 120
attagccatg caataatttg ggtatgttgt attaagagct ctaccacatt atgggttcagt 180
cattgtataa ttaaacatga ggcatacaaga atcaaaagtt actgttttac ttgcctgctc 240
tctccattgt gtcattttac attttagtag tactgtgttt tgtttattaa aaaaagtaaa 300
tcaacatata ctatgagggtg gaaaatggta cagaggccaa atcattctag tccggagggtg 360
gcatttcc 368

```

<210> 1246

<211> 511

<212> DNA

<213> Homo sapiens

<400> 1246

```

ggcacgagga gaaaactacc tatgacagtg ccgaggagga aaataaagag aatttatatg 60
ctgggaaaaa tacaaaaatc aaaaggattt acaaaactgt ggcagacagt gatgaaagtt 120
acatggaaaa gtctttgtat caggaaaatc ttgaagcgca agtgaaacct tgcttagagc 180
tgagtcttca gtctggaaac tctacagact ttaccactga cagaaagagt tccaaaaagc 240
acatacatga taaagaagga actgcaggaa aagcaaaagt aaaatcaaaa agaagacttg 300
agaaagagga gagaaaaatg gaaaaaatta gacagctaaa aaagaaggaa acaaaaaacc 360
aggaagatga tgtagaacag ccatttaatg acagtggctg tcttcttggtg gataaagacc 420
tttttgaaac tgggttgag gatgaaaata actctccatt ggaagatgaa gagtcattag 480
aatcaataag agcagctgta aaaaacaaag t 511

```

<210> 1247

<211> 431

<212> DNA

<213> Homo sapiens

<400> 1247

```

cggaggaaca ggttctgaat gccgcgctca gggagaaatt ggctctcctt gccgcacatg 60
ctcgagcccc gcacccaaag gtgatggggt ctgggcgtgg ggcttctctc atgtaccccc 120
ttacccgat ccttctctcc aaagtgtaac cttgcttttg gcccaacctc ccaacaggag 180
ccacctgggc ctgggccaga catgaccatc ttgtgtgacc cagaaacgct attttatgaa 240
tctccacacc tgacctgga cgggtetgccc cctctccgac ttcaactcgg gccccgcctt 300
tcagaggaca ccttctctcat gcaccggaca ctgaggcgat gggaagcgta gaccccaaag 360
atccctggag ggctagtctg tatttttgtg ttaactatt tgtagaata aagtaatttt 420
gctaataaaa a 431

```

<210> 1248

785

<211> 2058

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1962)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1964)

<223> n equals a,t,g, or c

<400> 1248

```

cccacgcgtc cgccccacgcg tccgcccacg cgtccggatt catctaaacc cattgtaaga 60
gagtcatgga tgactgaact tcctccagaa atgaaagact ttggtcttgg gccaaggact 120
tttaagagaa gagctgatga cacatctgga gatcgatcaa tctggacaga tactccagct 180
gatagggaaa ggaaagctaa ggaaacacaa gaagcaagga agtcattccag taagaaagat 240
gaagaacata tattatcagg aagagataag agactggctg agcagggtatc ttcatacaat 300
gaatcaaaaa gatcagaatc tcttatggac atacatcata aaaagttaaa gagtaaggct 360
gctgaagaca aaaataagcc tcaagagaga ataccatttg accgtgataa agatctcaag 420
gttaatcggg ttgatgaagc tcagaaaaaa gccctaataa aaaaatctag agaactaaac 480
accagatttt cacacggcaa aggcaatatg tttttataag gggatttccc tgtgcaatga 540
agaaaagttg aagaatactc tttgtccatc tttatttctt tgtttttggc ttcttaagat 600
tagagattac tttaatctta aaaaacatac aaatttacct tgttctgtat gtccttttaa 660
ggtcattgtg aaacataaaa cgaatgtttt ttatgtagaa cagaatattc tatgtgcctt 720
tagcttctgt ggaagtatgg ggaattatgg gcttttcttc aaataattat tttaagaggc 780
ttccattccc cctgattttt gtggtgtctc acaagtacc ctaagggtct ggtcaggact 840
gaccaccaa tctctaccac agcctggacc tccttgtaga atatacctaa cctgccctag 900
agtcagtgtg tcaagtcctt cctgtaaatc catgactttg aaatttggtg ttttttcctt 960
ttaactgca gccagtgaat acaaattttac ttgaaaatag aggggatggg gttttgcctg 1020
ttttgtaatc agtttgcttg ttttagcact cagggtcttt tatttgttat ttaatttttt 1080
aattgttttt aagtcagaaa gatctctggg ttatctcatg tgctaaggaa aaactatttt 1140
gctytttcca actttaatag ttagtatctt taggggaggc aatcaagata agatatgcca 1200
ttaactgtta gcattgtgaa atctgtaaga ctcaatctct gatctcaacc aaagctttct 1260
gagtcctgga actttgcttt gggacaactt tactttaccc atttatatgc tgtacttaac 1320
agtttgtagc taatttatgg ggtcatatct ttttttagc taatttacgg gggtcatatc 1380
agtcattgaat agcctttttt aaaaatttaa taatccctga atacaaaaat ggaaatggaa 1440
aattttataat cataaccccc ctaattggga gtattataag ttgtaatgc tttaagcact 1500
gcctcttaag atgataaatt tataagatga gaaattctat ttaaactatt aaactattgt 1560
taaataaatg ccaattctat aagttatatt ttcttgaga ttaatccaa ttgttccact 1620
agtattctag ttttgaagag actggctgag cagggtatct catacaatga atcaaaaaga 1680
tcagaatctc ttatggacat acatcataaa aggttaaaga gtaaggctgc tgaagacaaa 1740
aataagcctc aagagagaat accatttgac cgtgataaag atctcaagg taaatcggtt 1800
gatgaagctc agaaaaaagc cctaataaaa aaatctagrg aactaaacac cagattttca 1860
cacgggcaaa ggcaatatgt ttttattaag gggrtttccc tgtgcattga aggaaagttg 1920
aagrattact ctttgtccat ctttatttct ttgtttttgg gntntttagg tttgggggta 1980
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acataaacgg atgttttt 2058

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786

<210> 1249
<211> 943
<212> DNA
<213> Homo sapiens

<400> 1249
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agagaattca tacaggagag aagccttatac gatgcattga mtgtgggaaa gctttctcac 180
agaagtcaca gctcatcaat catcagagaa ctcatacagt aaaaaaatcc taggaataca 240
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tgtagacagt cacgtcatgt taggtgtctg tactccatga ggatgagAAC tctaattgagg 360
tggtgtatgg aaagccgatc ataattcmta grgtagagkg aacctwtgac tgcagtggat 420
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aatcctgtga atgtccaaaa gccttccaga agtcaagtct ctttaagctat tagaaatatt 540
cccactgggg atgaggggaaa accccatgaa tgcgggaaat gaggcaatat ttttaagaaa 600
tgacagttca ttgtacataa gaaaatgctc ttaggaatga agttctatga aagtactaaa 660
tatgggacag tgcaacaagt aaccagacta ttttgtattt tggagaattc atattatgga 720
gaacctaaaca atttaaagac actgggaaca cttgccctc agtatagtac tgtcaaggga 780
agccatacac tttttgtaga catgggtacc aaaaataccc aattctaagt ggttgacaga 840
tgttcacttt gaagtgtgaa gttttaaaaa tacgtgaata aattggttat tgaaacatct 900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aag 943

<210> 1250
<211> 2231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1918)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2214)

787

<223> n equals a,t,g, or c

<400> 1250

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gcgccgcga agcgatccct gctccgcgcg acactgcgtg cccgcgcaca gangaggcgg 60
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tgccgccagg aggcaggttg ctgtgtttgt gcttccttct acagccaata tgaaaaggcc 180
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ccacgacgct cttctacggc tacggctttg tctctgctgg tatgggggtg ggagcctacg 300
cgtaggcctt ggccctatatt cctggtagaa ccgagagttg gaagtcctta cggcgatcat 360
gttaaccgcg cgggctcatt ctgcggaacg aagccgggca gaggggtggg aagactaggc 420
tagattttcg taaggaagca gcgtctgagc caggtttgag gcccaatatt ttctttccgt 480
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cctcattagc ttactattgc catcccccta catcttggga ctctctctcc atattttaat 2160
gagagtattg tggtagacat ggaaaagcgg cttcaatctg ggangtactg gganaagatc 2220
aattgcacag a 2231

```

<210> 1251

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

788

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 1251
ctgagagaaa ggaatgaaag gatggaagaa ttacaagatc aggcactgct gtstgtctgt 60
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acatgaaggc gtgaacaggg atgagaagag acttcctgga gaaacaaaag gactaacaat 180
caggaagggg aggtgatcgg ggcaggagta aagtggacac ctacagcaaag ccattcgctg 240
tgatctctga ttgtgcagtg tcatgtcctg tncaccagag cccctcctg tttgatgttg 300
gccaatgccg ccagcatgat ctacgaggcc aawtctwat ytaccattct yttgacacca 360
gctgggtccct gggttcgtnc cacccgatgt tcccnctttt tccccatttg gg 412

<210> 1252
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 1252
gcttgaggc tttggcatcc tgagagcctg cctgggggga ctgtcaagtt gccaaaggca 60
aggagagggt agccaactgc ctctccacc tggctgctca gccaggctct cctgccttca 120
aaggacattt ctttggctcag gaattgacaa gaatgagccc agagtcaccc accccaaggg 180
tgtgtggcaa ccatcccttg ctcaacaccg aaagctgtag aatcatagtg gggaaagaag 240
caacttcttc agaagcagtt gtctaatgag cacagcttgg aaagaccttg gttcttcttg 300
atcatcactg gggggatatt tcgcanaaca agaaattgca tgccccgtcc atcatgttcc 360
accccnngcc caggccaccc cgattgatct gcccgggctc tctccttcca ggaagt 416

<210> 1253
<211> 2735
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<400> 1253

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caacagtttc ttcagtcac tcattcactt tcaaatagga gcagcacttt gaaatccttt 180
ttcttcactg tggattaaaa acatccaaga agccatctct gtcaagcaga attgtcatct 240
gtggtaataa gtgaccatgt cctaaatacc tttttcttag tgaggagtgt gtcattgtct 300
ttgggcatct gcaacccctg ttcaggcatg tgacctgcta aagaaataca gcctacacta 360
ccttgactac tggggaaaaat gatacttcgt aaaatgtaat aaggcaacct gttccttggt 420
ctttatctta tgttttccaa ctattactgt atctgttatt ggtctactat tacaggatga 480
ttcttcttcc tccattgatc tcaactaaat atgaattagg gtcattgatg aaatctgaac 540
tgccgtgtcc tgagttagtg ttaagaggta tgtgtgcca ccccatgcat gtcttcccca 600
tccccatagg attttaaagt gttcagggtac caaacacagt tctgtgtgag gttttatgcc 660
tacttctca acaccaattc agaggcaaca cctgtgcatc tgtccacca aaggtgcttt 720
aatacctacc ttcactattt gagaaaggac actcacagt gcctgtgggt tatgaaagaa 780
ttggccctac gtcctgcatg taagatgtta caggggacat tgggccaggc attattatat 840
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ttactggctt cgagtacact ttatttaagc agttactagt ttaaaagcac ctgtaataac 2220
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ttgcacgtca cagccccagg gcagcatcag tgcggtgagc tgttctagca cgttcatcct 2640
gtcgatcagt tcatgaagag ctctatttcc atctttttcc aggtaatatt ctgataaatc 2700
aagaatgctc agtttgacca aattgtgctc gtgcc 2735

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790

<210> 1254
 <211> 693
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (609)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (651)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (682)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (683)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (692)
 <223> n equals a,t,g, or c

<400> 1254
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 ttttaagacc cggataagaa aatgagggca aaagaggtga agtgacttgt ccaagatcaa 120
 cagtgaatta ttagttggaa cgccagcctg atactcctag ctatatctca ctggaaaagc 180
 attggagaaa atgaaaccat tttaatattc taagcttaaa taatagttat tataggcgtg 240
 agccaccatg cccgaccagt ttctgctttt attaaaattg ttcacagttt tatacattca 300
 tgttcattaa aaatgctatt tagaaaagag tttgataaaa taaatattat wcaaaattcg 360
 aagaaaaaag aawagagttt ctgtttcagt cacaaattag gggtattgtg atgtgtattt 420
 atgatgaccg ttgaacaaat gtgaagaata ctgtgaattc tatgacttta tcaaaatcag 480
 ccacatccag gagcttgacg ttgttgacca aatgaatgat gacatagagt agttcagatc 540
 tatcatgtgc tcttctatct aatcagtcaa tatttccttg gccctcaagc caacattcat 600
 tttttatgna taccttcttc atgattttga aattttgata ggggtaactg nttaatggag 660
 ttcccaaatg gtagcacttt tnnaaccgga ant 693

<210> 1255
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 1255
 gctgtgtcca tgatgctttt aataaaaaaca accccactg cagtctcacc ctccaagtgg 60

791

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gtgtgggagg cccgggctggc cagcagaagc ccccaggcct ggactccatc catctgctca 120
gacaacagca gggagagcgg ggggtccagg ggggcagctc cctcccttcc acccctctcc 180
gcccctcctg agggcccatc aggagcagga cccctgtgcc tccgtggtct tgccctgttt 240
gcaggcagca tgtggccctg cagtcacaca gcctggagac accacgagtc ctggcggcct 300
gtgtgcaraa aggcacctac ggcycctggaa gcccagttgc ggaaggaggt tgggggaggg 360
acgccgggag ggaggtcatg cagcctctgt ggccagcacc accctgacgg tgccctggag 420
gtggctgtca cctgaccgtg ggcagaccca cagagcaagg cc 462

```

<210> 1256

<211> 1037

<212> DNA

<213> Homo sapiens

<400> 1256

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cggacgcgtg gggcaagact tttgcccgtc acctttcatt cgggcgtgac aacaatgagc 120
tgttgctctt catactgaag cagttagtgg cagagcaggt gacatatcag cgcaaccgct 180
ttggggccca gcaggacact attgaggtcc ctgagaagga cttggtggat aaggctcgtc 240
agatcaacat ccacaacctc tctgcatttt atgacagtga gctcttcagg atgaacaagt 300
tcagccacga cctgaaaagg aaaatgatcc tgcagcagtt ctgaggccct atgccatcca 360
taaggattcc ttgggattct ggtttggggg ggtcagtgcc ctctgtgctt tatggacaca 420
aaaccagagc acttgatgaa ctcggggtac tagggtcagg gcttatagca ggatgtcttg 480
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cagttatcag ctgccattgc tcctgtctgt tttccccact ctcttatttg tgcattcggg 960
ttggtttctg tagttttaat ttttaataaa gttgaataaa atataaaaaa aaaaaaaaaa 1020
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```

<210> 1257

<211> 1271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<400> 1257

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aaatgcaaag aatgtggcaa ggtcttcagt gaccgttcag cttttgcaag gcatcggaga 120
attcatactg gagagaagcc ttacaaatgc aaagaatgtg gcaaggctct cagtcaatgt 180
tcacgtctta cagtgcactc gagaattcat agtggagaga aaccttacia atgcaatgaa 240
tgccggcaagg tctacagtca gtattcacat cttgtagggc atcgaagagt tcatactgga 300
gagaaaccat acaaatgtca tgaatgtggc aaagcmttta atcagggctc cacactcaat 360
agacatcaga gaattcatat cggagagaaa cttacaaat gcaatcagtg tgggaattcc 420

```

792

```

tttagtcagc gtgtccatct tagacttcat cagactgttc atactggaga cagaccttac 480
aaatgtaatg agtgtgggca aaacctttta aacggagctc aaacctcact gcacatcagr 540
taattcatgc aggaaagaaa ccatataaat gtgatgaatg tggcaaggta ttcaggcata 600
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aatgtggcaa agcctttggg cggttgtttt ccctcagcaa acaccaaaga attcattctg 720
gcaaaaaacc ttataaatgt aatgagtgtg ggaaatcttt tatttgtcgc tcaggcctca 780
ctaaacatcg aataagacat actggagaga gccttacaac taaactcaat gtgacaaggc 840
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accatgtttt catttaagcc ttcagaaata tgagccaatt aaactctttt ctttatacat 1260
taaaaaaaaa a 1271

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<210> 1258

<211> 849

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (806)

<223> n equals a,t,g, or c

<400> 1258

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ggtccgcgcc ctgtcgggct gagcgagttg gccacagag ccggcgcgct cccgcctgca 60
gggggagagc agacggggcg ggggacggcc aggcgcggcg ggtgctgttt ctgtttcact 120
ttccttcaact ctgaggccgg cgcgctggcg ggcgaggagc ggcggcggtg gcgctgkaca 180
tgggaaagcg gaaccaccaa aaggagtgat gatcaacgat ctcatgataa atctggatgc 240
tagttctcat gcctcaggac atcctactgg gaacgacaca ccagctcctg ggatcagact 300
ttcatctact taggaccctt ctttgcccag actactaaag ccagtcttca ctagccacga 360
atggctaccc aaaggaaaca cttggtgaaa gattttaatc cttacattac ctgctatata 420
tgtaaagggg atctgatcaa gccaacaaca gtgacggaat gcctccatac attctgtaag 480
acttgtattg ttcagcactt tgaagatagc aatgattgcc caagggtgtg caaccaagtt 540
catgagacaa atccattaga aatggttgagg ttggacaata cattagagga aattatattt 600
aagctggtcc ctggactacg rgaacaagaa cttgagcgtg aatctgaatt ttggaagraa 660
aataagcctc aagraaatgg acaagatgat acttcaaaag ctgacaaacc gaaagtagat 720
gaagaaggtg atgaaaatga agatgataaa gattatccac aggaagtgc ccacaaattg 780
gctatctgtc taggttgttt tacggnatta atggggccat tcgggggaca tgttggtaaa 840
gggttttaa 849

```

<210> 1259

<211> 622

<212> DNA

<213> Homo sapiens

<400> 1259

```

ggaatttggc ccatccaaag actggccaag tgccaaaaaa aggcctgatt aggcctgaa 60
attcagtga attctgctg aagaaacctc ttattgaatt tgaaaaccat aaaccatttc 120

```


793

agggtgagctt atggggtttgt tttgggtttt tttttttttt tttaagtctc tggcccaatg 180
tacgtgggat tagattctgc aagcaggcag cagtaagtat aagctaattt ctgtctataa 240
aaagaatgat taaaaaaaaa ctttttggtg atgtgtggaa tagagattat cacacacatc 300
attaagtggg aatgtgatga atgatacaaa aacgaacagt cttataccca gcacacagat 360
cagaacaaag taactatcaa gcaccttcaa tgccccctc akgcctcttc ggattawtaw 420
tgcawccttc ctatagagag gtaagcacct cttgattatc agcaccatgg gagatgtttg 480
tctgattttg aacttctgta aatgaaatca tatagtatat actctttgga atctgttgtc 540
ttttgtagag ggaacttttt cattataaat cttatagtag tgttgttcct tcttcccatc 600
aacagtgttc ttttacttaa aa 622

<210> 1260

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 1260

tctggtcccc cagggtcca cteccgcagc agccccgctc cgtcggcgctc agtggagccc 60
caggcctggn tccgagatga gcgagacgct gctctggctc gcggtcgccc gagcgctccc 120
aaaaccaggg aacaggcccc aggagagaag cccttagaag tttcctggag cagggagtct 180
cctgtatcct gttagctctg caaaggaatc tggactttat tctgagggcc ttggagaacc 240
cctgcaaagt tttttaaaag gtggactaag agattggcat ttcacaacat gactctccga 300
attgaaacac taagaagatt ggcgaaattt aacatttaca gattagtaat ttaaccagg 360
tgactcgcca tgagggacat ggctaccctt cacttttgga gggagtttta agtgatacag 420
atctttttgc caagcaattt tttttttttt tttgagacgg agcgtnnttn t 471

<210> 1261

<211> 647

<212> DNA

<213> Homo sapiens

<220>

794

<221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (636)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (644)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (647)
 <223> n equals a,t,g, or c

<400> 1261
 gcttnttcta gatcgcgagc ggccaccctt ttttttattt ttccattggt gatgaaagtc 60
 tgaaatgtgc atttgtcatc cccactccat caatccctga ccatgtaagg cttttttatt 120
 ttaaaaaaac agagttatcc caatacatta tcctgtgatt taccttacct acaaaagtgg 180
 ctccgtgttg tttgatgatg attggtttta tttttgaaat atttattaag ggaaaactaa 240
 gttactgaat gaaggaacct ctttcttaca aaacaaaaaa aagggcagaa atcaccccaa 300
 ggaacgattt ctccaggttg gatgatcacc gtgaatccgg ctccctctga gcattcgtatg 360
 gccttagcac ctcatcaagc cagcacatcc tgcctgctgt tgcagcctgg ctgggtttat 420
 tcttcagtta ccctaattcc atgatgcctg gaaccttgat taccgtttta catcagctct 480
 tgtacttttc agtatatttt cataatgagt tatattgtca tttagacttt gaacagctct 540
 gggaaataga agactagggg tgtttcttaa atttagctca tgttataata aaaagttgaa 600
 atgaaaaaaa aaaaaaaggg gggccgcctt aaaggnccaa gttncgn 647

<210> 1262
 <211> 836
 <212> DNA
 <213> Homo sapiens

<400> 1262
 ctccaggaacc tccaatcatg gcagaaggca aagggggagt gagctgtctc acatggccag 60
 agcaggaggt agagagggga aggtgccaca cacttacaaa caaccagatc tcaggacaac 120
 tcactcagta tcaggagAAC agcaccacaa aattgtggtt aatcattcat gagaagcctc 180
 ccacgacca atcacctccc accaggcctt acctccaaca tctgggatta caattcaaca 240
 tgagatttgg tgggaacaca gatccaaacc atatcacgca caaattgcaa ttacttcaca 300
 ctccagataa cccattaatc tgtgaaggat taatctgttc atgaaggcag ggccctcatg 360
 atggaatcac atcttaaagc ccctacgtct gagtactgtt acattgggga tttagtttta 420
 atatgatttt cagagcagaa aaacattcaa accatagcaa tatgtattga atatctagat 480
 catttccaaa taagatatta atatgatact gaaacattta ttgctgaaca taaatttaga 540
 acttactttg cctacctatt acagaagaac aaaagatatt tgggcctatt aaacctttcc 600
 tctgccattt cctgtcctgt gtcataggac taggaatcgt gtttctagaa agtatgaaat 660
 cgtgtgcttg cmaacttggg agaaaacagt tcatgactgc ataccttcta gttctctagt 720
 gttcactgga aattaaagac actaaaagtt aacaattctt attaatatt catattaatg 780

795

taattggaat ttctagaaat attaggggaa gcaactttat acgcaaagca taacag 836

<210> 1263

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1263

aattcggcag aggcaaacat taagaaaaaa ggaatatatt agaataaaat agaaaaagtt 60
aaagggcatc acacaaaatt agtctaggta ttattccgaa gcttgcattt tatatgcac 120
tgggcatgta ctgagctgtg aggtgagatg catctcttac tgtgggctcc aatcaaagtt 180
ttaaaaacay cattttaagt tatgttcagt ggttactgaa tcttttacat aatttagttc 240
tctcttgaat cttcttgtcg tcatagraaa tgtcctatat cmatttttac agctwtaacc 300
atctgatctt ca 312

<210> 1264

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1264

ggagctgact ctgcctgtcc agggcctgca aagtggctga gctcccttcg ggcccatggt 60
gtgcgcactg gcattggaca agcccgggca aaactctttg agaagcagat tgttcagcat 120
ggcggccagc tatgccctgc ccagggccca ggtgtcactc acattgtggt ggatgaagca 180
tggactatga 190

<210> 1265

<211> 571

<212> DNA

<213> Homo sapiens

<400> 1265

accagtctcg cgacactttc cttggccatg ggagacacac gagaagagac tctcgcaaga 60
aagtaaata gtcaggcttg aaacagcgaa gtatatctcg cgatacacgt gtttaaaatg 120
gcggtctcaa ggcgtttcac ggggtgtccc gacaggcgtg gaggtggggc gcaggcgagg 180
atgaagcttg agttggccag gagtcggaaa acgattgcag gcgggaccgc gtccgtcggg 240
gctgaggaaa cttagcgttg cagaccctaa actgggataa ctttagggat atggccttct 300
tttcccagtt gcctcaaact tagagcagcg tegtctttag ccgaagattc attttcccag 360
cattttcctt ctccaggcgg agtagttgga gacagagggc aagccagaaa ctgaccttcc 420
catctectca ttcccttcca tcaagaactt ttcacgttc tttcccacc ctggtttgta 480
aatggatatt ggcttcataa aaacgtttgt ccacaggtgc cctgtccat cagttcgtc 540
cagcaatata ggaagttacc aaaaaaaaaa a 571

<210> 1266

<211> 1474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1345)

796

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1440)

<223> n equals a,t,g, or c

<400> 1266

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gagtcgcccc acaagaagaa gaaaatcgcg gcccgaggga aatgggaggt gttccccggga 120
agaaacaagt tcttctgtaa cgggaggatc atgatggccc ggcagacggg cgtcttctac 180
ctgacgctcg tcctcatcct ggtcactagc ggactcttct tcgccttcga ctgtccgtac 240
ctggcgggtga aaatcacccc tgccatccct gcagtcgctg gcacccctgtt cttctttgtg 300
atggggaccc tgctccgcac cagcttcagc gaccccgag tcctcccacg agccacrcct 360
gatgaagccg ccgatctgga aaggcaaata gatatcgaa acggcaccag ttcagggggg 420
taccgcccgc ctcccagaac caaagaagtc atcatcaatg gccagaccgt gaaacttaaa 480
tactgtttca cctgcaagat tttccggccc cctcgccct cccattgcag cctttgtgat 540
aactgcgtag aacggtttga tcaccactgt ccctgggtag gcaactgtgt ggggaaaaga 600
aactacagat ttttttatat gtttatttta tctctgtctt ttctgacagt ctttatattt 660
gcattcgtta tcaccacgt cattcttcgt tcacagcaaa caggattcct aaatgccctt 720
aaggacagtc ctgcaagcgt cctggaggct gtggtgtgt tcttctctgt ctggtccatc 780
gttgccctct caggattcca cacctacttg atcagctcca accagacaac aaatgaggac 840
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gaagagggtg catccagccc gacacgccgc agccagcagc accctccaat ggcatacca 1020
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ccccaggct actggcgccg gcagnccct ggcgcacaa cgcaccatgc acgtgctggg 1380
ctggccagnc aggattcctg atgaggactt ttcggcgctg tgaactaant cctgtgacan 1440
atggccaggc cggggaaacc aaaggctctc atgg 1474

```

<210> 1267

<211> 1405

<212> DNA

<213> Homo sapiens

<400> 1267

```

gtgtatttta caattttttt aaaggaaaat ttaaaatatg aaatgtttgt tttgtcttaa 60

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797

```

cagggtatcc cttctccctc ccttgtcagc cttccttcct tctttgaaag gagaagtcac 120
acgttaagta gatctacaac tcatttgata tgaagcggtta ccaaaatctt aaattataga 180
aatgtataga cacctcatac tcaaataaga aactgactta aatggtactt gtaattagca 240
cttgggtgaaa gctggaagga agataaataa cactaaacta tgctatttga tttttcttct 300
tgaaagagta aggtttacct gttacatttt caagttaatt catgtaaaaa atgatagtga 360
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tatcagctga tattagtagc tttgcaaccc tgatagagta aataaatttt atgggygggt 480
gccaaatact gctgtgaatc tatttgata gtatccatga atgaatttat ggaaatagat 540
atltgtgcag ctcaatttat gcagagatta aatgacatca taatactgga tgaaaacttg 600
catagaattc tgattaaata gtgggtctgt ttcacatgtg cagtttgaag tatttaaata 660
accactcctt tcacagttta ttttcttctc aagcgttttc aagatctagc atgtggattt 720
taaaagattt gccctcatta acaagaataa catttaaagg agattgtttc aaaatatttt 780
tgcaaattga gataaggaca gaaagattga gaaacattgt atattttgca aaaacaagat 840
gtttgtagct gtttcagaga gactacggta tatttatggt aattttatcc actagcaaat 900
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aactgactat agattgtttt ctatgccatg tatgtgccac ttctgagagt agtaaagac 1320
tctttgctac attttaaaag caattgtatt agtaagaact ttgtaaataa atacctaaaa 1380
cccaagtgtg aaaaaaaaaa aaaaa 1405

```

<210> 1268

<211> 1453

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1452)

<223> n equals a,t,g, or c

<400> 1268

```

aaaaaagaaa gaaagaaaag gtacatgtat atatttgtcc tgcattatgt tttttacttg 60
atataaatgt atttttactg tgatagtcca agtgccctgg ggggcagggtg tgctctatgt 120
ggttcttctt ccattggaga gctggcgtag agatctgcag tgttcacaag gatgttgggtt 180
tgagatgtc tgctgctagg acctgggggtg tgtgactcag tccatatgag agggacatct 240
gggtggagga gtaaatctct gtgctctgaa atgccacttg gtagctctgg acaatgaagg 300
acaattgact caagggtgcc tggcttctgc tgctgctggg aaaaaattca gtttatagca 360
ttcctgcacc tcccaaagta gataacctgg aggtcattca gttaacaact gtccctgagg 420
actcagtttt gggggagggg ttatctggga gaagctttag cctgttctga gccattagga 480
gacattagtg aattggagca ctggagaatc ctacaaatgg cctatgtctc agaagagctg 540
ggacctcctt ccagctgctg cagatgctga caggccctgg gaggctgctg tgctctggag 600
aagctggagc agctcatttc ttggcctagc ctggctgcct cagaaagagc agtcaggact 660
tgagggaagc atcaaattct ataccataa actgcagttg gaagtcagct ttttgaaatg 720
tccagccttt gcccaattgt ttcagatcat ctattcctc aggctttggc aggtatcctg 780
ccctccatct tattccagtg tgttcacctc atcaaggcag cagagtggat gaaggagtaa 840
gtctgccctt tgccatactg aacagctgtg gaccccgatt ggtgagggtc ctgcatatgc 900
ctgtatgaag gagatacagg tgtgtgtgca catgccggtg tgaagaagac acaggcatgt 960

```

798

```

gcttctcagt tttgctaaca gtgggagctc aacggggcag agggaggaag gtccatgatg 1020
ctcagccaca tactgtagag agaggcaatt taatgtttaa tgacgcacca tcctccctcc 1080
cacccttctc ccagtcaact ttttttcttt ttctagaact actaattatc tctcaaggct 1140
gaaaaattaa ttgccttagg tggagaactt aattcctagt atccaccaa cttactccg 1200
tatctccata tgggtgtctc atatctactg tgtgagctac ttaactgacg ccctcttctt 1260
ccaactgaag gatcgcccaa cgtttttggg ttatagaatt attatttctt gctttctttt 1320
tttgggactt ttgaatttct ttggtttcgt ttttaagaag taaccaaca tttcctacaa 1380
cactaaataa aatggtactt acctttcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa ana 1453

```

<210> 1269

<211> 1353

<212> DNA

<213> Homo sapiens

<400> 1269

```

ggaccacgc gtccgattat ggtaaacatt ttaaatttta ggctgttggg taaattttaat 60
ggtttaagca ctgttgggtt ctctttaatt aatatgtgca gaaggagaac atatgtgttt 120
cactgatatg tatgggtccag aaaaattact taattctcaa aaatatgttg cattctcata 180
ttgtgttagg gaaaattcca taagtagtct attttttttt tttcttttgc tgactgttaa 240
catccaaaca cctgaatgaa aactgactca tttctgtatt ggtgttttaa aatattgatt 300
tgcagatgtt cacagaacac ttgcattttt tgattcacat tgctaaatca aatgtaaagg 360
caaatatgta tatttaataa atgagaagta tttttttatt actgaaattt attctcaaag 420
caaatgtatt ttgtagatgk ttcatttggg agattttgct ttgccttaaa acatacmaaa 480
taaacctgtc ttgtggtctg ccacacctca aacctctgtt aacttgacat gtagaaggag 540
ttcagaatc tttgataatg tgtgggtttt acttttgttt ggattaaaca aaaataaaat 600
tagagtccat agcactttgt aaactaatgt gaagtttctt gttgaatcat aaaagctacc 660
tgtatgtact ttataattta atgttctgtt agtaaaaatt gtcagcattt tatctttttt 720
tcttctcatt acatttttagt ctccaatctt tcccactctc agcagtcaca gttttgcaga 780
gcaaaacatt tttagaaact gaatatgtgt gagttctata taaaatgaat gtgttagtaa 840
catccatctg ctgatcaagg aggcattgga tctggtacta gaaggtgaaa ttgattgtag 900
ctatcaaagc attttatcaa tgtaagtcaa gaaaaaagaa gaaaactgtg aacctctgat 960
atttttaaca taaaaactgt tcccaatgag tgttctcttg ctgattttgt gttaatgtta 1020
ttgtctatga tttttaagct aatgctaata taaaatctaa aatttcaaca tgatgacaac 1080
aattcctgta gcctgttttt accattagga tgtttttgaa aacagatgtc atcttagaaa 1140
ttatattttt aagtgc aaatcatcct gacttgaaag tcaacacatt ttatttttca 1200
ttccgtagta tcacagaata tgctgcattt agatacaggt ttaatttgcc agattttctc 1260
aaaattctgt atttttatat tgctacaact ggtttactta acatgcaatt gaattgttat 1320
ttaaataaat tacatttgat ggaaaaaaaa aaa 1353

```

<210> 1270

<211> 1569

<212> DNA

<213> Homo sapiens

<400> 1270

```

acctattcaa aattttatta aaaaccagca aattaatttt aatctctagc cataaaaaaca 60
taagtaatag taagctccta agcttggaca aaggctggat tctcttcact ataactgagt 120
ggtaatttaa agacaacaat ttaatgtcac taattttcaa aattaaatag ttttagctca 180
atttaatttt gctagatatt taacaaaaca tacgggtcaa cctcataacc tatatgtgtg 240
tatgtctaca tctgtgtata tatcatagga tttgagaatc ttaacacatg tataaataag 300

```

799

```

tatatataaa ctccaatttt aaatctttaa attgctgaat ttaccctcat attcttttaa 360
aaacttaaag cattatgaat gtwgagaaat tcaccagagc tcaactgccta tttgatggct 420
gtaacaagtc ttcaagtata tacttttata ataagttgaa aatttcatat aattttattt 480
attaagaatt ccaatctaag tataaaggta caaggtagtg agaaggaaat actacagttc 540
ggagaactgc ttatttccaa gtatatattaa cttataaagt taataaatag ttaaatgaaa 600
caaagtttat aggtgacctt tagtaaattg ggaaattaac aggactttct tcttcatctt 660
caaactcttc agaagcagca acagggctag ttaattcaac tcccaattgt tctgaaagtt 720
tttttacctt ctcttctaag agaataattct tcttcacttc ttccttgtaa ttatacttaa 780
gatcttcaat ttcttcaaaa aatgaaggat caaaattttc cagttctttt ttcagcttct 840
ttatttcctc cttcaaagtc tgcttttcta gatctgacat tttgagctgt gtctctagat 900
cttttatttt ttcttttagt tgatcagcat caggtatggg gctttcagct ccactttggg 960
ccttgtttagc ttctatctga tggattaatt ctgctttctc tttatccagc tgatgattag 1020
ctaacttaag aacttgaagc tcccgtttta ggccttgctc tgtctcagca ccttcaggaa 1080
catgtttaag aatcttaatc tgttgttcaa ggtcttcatt gtatttgta actttttgtt 1140
ctctctctgt tgcttctttt acaagctgtt taaggctcag aatgctttga ttttttttgg 1200
caatatcagt ttccaattct tttwacttgg tttcatacat tcttgtaacc acaatggatt 1260
tccagctctt actgtcagca ccttcaagct gtggacctct gctttctgca aactgcaatc 1320
tcttaccagt ctcttctagt tgaactgtca tcttctcatt taatatctct aaattattct 1380
ttgctatccg taatttctct gcagcatcag tttctttttt aagttcttta cgaagccttt 1440
cattttcagc aataattttt tctgtgcctt tggctttgga ttcatagtgc atgctcaact 1500
gatgccaag atgagcttta agtttttcta attcagcctt caatttttca ttttctgct 1560
caatattag                                     1569

```

<210> 1271

<211> 573

<212> DNA

<213> Homo sapiens

<400> 1271

```

cagttgaata catcatccac aaaccaccaa ttgccttctg aacatcagac cataactaagt 60
tctagggact ccagaaattc ttttaagatca aatttttctt caagagaatc agaattcttc 120
cgaagcaata cgcagcctgg attttcttac agttcaagta gagatgaagc cccaatcata 180
agcaattcag aaagggttgt ttcatctcaa agaccatttc aagaatcttc tgacaatgaa 240
ggtaggcgga caacgaggag attgctgtca cgcatagctt ctagcatgtc atctactttt 300
ttttcacgaa gatctagtca ggattccttg aatacaagat cattgaattc tgaaaattct 360
tacgtttctc caagaatctt gacagcttca cagtcccgtg gtaatgtacc atcagcttct 420
gaagttcccc ataataagggc atctgaagct tctcagggat ttagatttct taggcgaaga 480
tggggtttgt catctcttag ccacaatcat agctctgagt cagattcaga aaattttaac 540
caagaatctg aaggtagaaa tacaggacca tgg                                     573

```

<210> 1272

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<400> 1272

800

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gcaacaaatg attctgaggc ttgatggctg tctanactta ctaacagaga tgagcaaata 60
caagcacaag agcagccctt tattgcctct tcttatcttt cataatgttt gcttcagtcc 120
tgcaataaaa cccaagatcc tggctaataa aaaaagtcac tactgtgctt gctgcctgtc 180
tggaaagtga gaatcaaaat gctcagagga ttggagcagc tkcccttttg gctctgattt 240
acaattatca gaaggcaaaa acagctttga aaagcccatc agtaaaaaga agagtggatg 300
aagcatactc cttagcaaag aaaacttttc caaactcaga agcaaaccct ctaaatgcct 360
attatttgaa atgtcttgaa aacctcgtgc agctccttaa ttcttccctg agtgcccatg 420
ggatgcctac accttgaagc tgacagtcac caacagggga gctaaagtgt aagcccagct 480
gtgtgtagca gctgttacct gaagacgtgc tacctctcta caaagtgttg atcccttctt 540
ttcccatgag agagagaact ggtgatactc caacaccgtc cagttgtggc agctctccag 600
aagtaatagc agctgacaac tttctgtgcc ttttcctttc tgttgaaaag gcatagaaaag 660
ttctgggaac ataaacattt ttaccctttt ctatgccatt tattttgtaa aaatcctatt 720
taacagttat ttaataaaac aatattttta gaaamwaaaa aaaaaaaat tactgcggtc 780
cg 782
```

<210> 1273

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1273

```
gctgaaccac ctccaaaacg catcractcc cggatattca aagctgccct ttcaaateca 60
ctttcagacc gcgctgacct gggccagcca ctggsggtca tgggtgctgg tgggggcat 120
tagctgtgta gaccacaggg tgcgtgggcc tgggcccgcg gcgcctcttc mccaacgcgg 180
ggagcctgcc cagttcttct ggagcctgaa atgcgtgccc ctcttggttg cccgctctcc 240
acagtgggga gggctcacga ggactaggtg acacaagcga gcccctctg gcat 294
```

<210> 1274

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<400> 1274

```
gctcgacagg taaaatccct acgtgaccc tctgccaaaa tgtcgaaatc agaccctgac 60
aaactggcca ccgtccgaat aacagacagc ccagaggaga tagtgcagaa attccgcaag 120
gctgtracag acttcacctc ggaggtcacc tatgacccgg ctggccgcgc tggcgtgtcc 180
aacatagtgg cgggtgatgc cgcggtgacg gggctctccg tggaggaagt ggtgcgccgc 240
agnccgggca tngaactctg ctgcctacaa gctggccgtg gcagatgctg tgattgagaa 300
gtttgcccca attaagcgtg aaattgaaaa actgaagctg gacaaggacc atttagagaa 360
ggttttacaa attggatcag caaaagccaa agaattagca tacactgtgt gccaggaggt 420
gaagaaattg gtgggttttc tataggaagt ttcaacgaat cacagcaagg cttttgtgcc 480
```


801

```

ttgcactcca tgcattctga taacggcagc tttcctaaaa agaaaaagtt atagttttgg 540
gacatttaat ttggtatagc tgattattgg ctttatttga tgaatattgc tttgtagctt 600
tgaaatacga cagtgttcca aatcccatca acaaaatgct gtgaacaaca acaacaaaaa 660
ataaatcaag aaggcatarm aaaaaaa 687

```

<210> 1275

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1275

```

gaattcggca cgagaaaaag ccataataca agactctaaa gatctggaat gaaacctaata 60
aagagactgg taggtcaaat gagagcaaag catttgaatt tgactggatt gttttctcac 120
tggaatatgt gattctatga gttcatcatt aacacatttt ttgactggaa aactgctata 180
ggatcccagg gaggactaaa tttgaacaga ggaagtggac agtggtgcag tctctgttct 240
agctcttggg tctagaatag gagagttaag agcaccaatt tgggatgaag aaagcagaaa 300
gcaattatcg atatcaatca agagagcaga acagcctctc tccctccatc ctccctctgc 360
cctcttctcc ctctctctct ctctgctttc ctttactctc gtgtatgtta gctttggccc 420
cattccataa gccgagataa aaatgctagg catgataaat ttgtgactgt tactaacatt 480
taggattttt tttttgagat ggagtttcac tcatgttgca gtgagctgag attgtaccat 540
tgactccag cctgggcaac agagcgagag tctgtctcaa acaacaaaac aaaaaaaca 600
atgccacgtc aacatcagga cgttaacctt tagaccctat atgggtctaaa aaggggaggc 660
atgaataatc cacccttgt ttagcatatc atcaagaaat aaccataaaa atgggcaacc 720
agcagccctg ccctgtctat ggagtagcca ttcttttatt cctttagttt ctttaataaat 780
ttgctttcac tgtaaaaaaa aaaaaaaaaa aaactcga 818

```

<210> 1276

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1276

```

ccccttcact tgggagtctg acttcattac ctctctgaa acaagggtgcc tccaagcttt 60
gggttgatgt ccagaatctt gttgggttaa acataagtag aagtttgatc ataaagggtg 120
ttattaagcc ggataggtaa gcacgggtgac aatggcaata gaaatctaata ggaaaacgat 180
tgaatgacaa ctacacaaaa gtttcatgga tgaaactcac cccagaaact tagtgttcaa 240
atcagagtga tacacaattc aaaatgtgat tttaaacttc tggaaatatg tgtgtttgtg 300
aagatccaaa tccaattcag caacctccat caggcagaaa ccttctgcaa tcctcacatg 360
aggaactggk tcacagtgtg cacagcatgg agccattagt gacgttatcc aaaggatgag 420
acaagacaaa agttactgtc taataaaagg aaaattagga acaggaatgc tctttaaact 480
caggaagatc ttttgggtg tcaaactgga cagcacagaa tcattagaaa aattagcttg 540
gcgtgagaag agacattgag gtcttctctg taaaatttac ttagatactt gtgaatagga 600
ctgaaattta tttttgggc actctttacc tcagattcag agttcttagg attattttaa 660
attcattttg tggatgtttt caagtataaa caataagaaa actgcaactt caacttaaaa 720
ggcactgctg tatttgcacc ctatattttg acctgtcgtt aggtactgtt gaatattttt 780
atctgtaagc atttatgaag tgcaaaataa acatgttatt atataaaaaa aaaaaaaaaa 840
ggcggccgct 850

```

<210> 1277

<211> 500

<212> DNA

802

<213> Homo sapiens

<400> 1277

```
gagcaagacc ttgtctcaaa aaagcaaaaa agcaaaaaaa aaaaaaaaaa aaaaaaaaag 60
gaagtctttc ttcagatact tacgtgaaaa aaacctgcaa tatcttttaa gtgaaaaaaa 120
cagtgccaaag cagcacacat agtataagcc ccaaccaacc tttttttttt tttttttttt 180
gagacagagt ctggctgtgc ctcccacttt ctaagctttg saragagtga gttgactgag 240
cagccaggta gatgtgggtt cagatctctg cktctgtccy gctgtgcaa gtgctggggc 300
agacgcrggc agagagtggg cagyggcatg gtgcctgctg ctagccattt ctatgcaaaa 360
ccagatttct rgtcccatcc tggaggccaa ttctaggtac stgggtgggc ctgggaacct 420
gtgaamcaag taaactgact tagacacccc ccacccacc aggcctgtcc tagcagcccc 480
acacaaaacg ctcatgtcct                                     500
```

<210> 1278

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<400> 1278

```
gaagtactct aaatgagcat aaggaagaaa acacaactac agttttcata ggagctaaac 60
tgcagaacac agacaggatt ctagaaggac aaatcttatt tcatttagct tcttcttaaa 120
gccaaagatac ctgcaaattc aaaccttagg ttctgcccctc tgccggcacc aggagagcc 180
tgactaggaa acttcagaga ggagaatgta aaaggaaatg tagatattta taattgaagt 240
atctttcccc ttgggtatatt ctctttctct tttttttttt aatgaaaatc agtcaactga 300
atatttttgt tccccgagga agactcctca gctgtcgatt atgctgagca cacgggagaa 360
gctctaacag aagatgatgc ccgctctggc taatgatcac ctgttctgta tcagtgagag 420
acaaggtcct gaagttggcc cccttcagct gtgaataggt attaggtacg gaatatagct 480
aaaagcattt gtgtgagcct gcaaancaaa tgggtgctgg anccaatttt gtacaggnat 540
atccaaataa atttaatttt c                                     561
```

<210> 1279

<211> 1667

<212> DNA

<213> Homo sapiens

<400> 1279

803

```

gggaactgcc aaaagtgtgc atttggttac agtggactcg actgtaagga caaatttcag 60
ctgacacctca ctattgtggg caccatcgct ggcattgtca ttctcagcat gataattgca 120
ttgattgtca cagcaagatc aaataacaaa acgaagcata ttgaagaaga gaacttgatt 180
gacgaagact ttcaaaatct aaaactgcgg tcgacaggct tcaccaatct tggagcagaa 240
gggagcgtct ttcctaaggt caggataacg gcctccagag acagccagat gcaaaatccc 300
tattcaagmc acagcagcat gccccgcct gactattaga atcataagaa tgtggaaccc 360
gccatggccc ccaaccaatg tacaagctat tatttagagt gtttagaaag actgatggag 420
aagtgagcac cagtaaagat ctggmctcgg ggTTTTtctt ccatctgaca tctgccagcc 480
tctctgaatg gaagtgtgga atgtttgcaa cgaatccagc tcacttgcta aataagaatc 540
tatgacatta aatgtagtag atgctattag cgcttgtag agagggtggt ttcttcaatc 600
agtacaaagt actgagacaa tggttagggt tgttttctta attcttttcc tggtagggca 660
acaagaacca ttccaatct agaggaaagc tccccagcat tgcttgctcc tgggcaaaca 720
ttgctcttga gttaagtga ctaattcccc tgggagacat acgcatcaac tgtggaggtc 780
cgaggggatg agaagggata ccaccacct ttcaagggtc acaagctcac tctctgacaa 840
gtcagaatag ggacactgct tctatccctc caatggagag attctggcaa cctttgaaca 900
gcccagagct tgcaacctag cctcacccaa gaagactgga aagagacata tctctcagct 960
ttttcaggag gcgtgcctgg gaatccagga actttttgat gctaattaga aggcctggac 1020
taaaaatgtc cactatgggg tgcactctac agtttttgaa atgctaggag gcagaagggg 1080
cagagagtaa aaaacatgac ctggtagaag gaagagaggc aaaggaaact ggggtggggag 1140
gatcaattag agaggaggca cctgggatcc acctcttcc ttaggtcccc tcctccatca 1200
gcaaaggagc acttctctaa tcatgccctc ccgaagactg gctgggagaa ggtttaaaaa 1260
caaaaaatcc aggagtaaga gccttaggtc agtttgaaat tggagacaaa ctgtctggca 1320
aagggtgcga gagggagctt gtgctcagga gtccagccgt ccagcctcgg ggtgtaggtt 1380
tctgaggtgt gccattgggg cctcagcctt ctctggtgac agaggctcag ctgtggccac 1440
caacacacaa ccacacacac acaaccacac acacaaatgg gggcaaccac atccagtaca 1500
agcttttaca aatgttatta gtgtcctttt ttatttctaa tgccttgctc tcttaaaagt 1560
tattttattt gttattatta tttgttcttg actgttaatt gtgaatggta atgcaataaa 1620
gtgcctttgt tagatggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1667

```

<210> 1280

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<400> 1280

```

ttcacagcta ggagtccttg ggaatacacg aacctgtgca gtagacagtt gggggccagc 60

```

804

```

ttgttgagaga ctgttcttat tttcttcttc ctttcagaat ttcagctgat cctcactatt 120
gtggggacca tcgctggcat tgtcattctc agcatgataa ttgcattgat tgtsacagca 180
agatcaaata acaaaacgaa gcatattgaa gaagagaact tgattgacga agactttcaa 240
aatctaaaac tgcggtcgac aggcttcacc aatcttggag cagaaggag cgtctttcct 300
aaggtcagga taacggcctc cagagacagc cagatgcaaa atccctattc aagccacact 360
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaaaaaana aaaaaaaaaa aaaaaaaaaa aangggc 457

```

<210> 1281

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1281

```

ttttttttcc awgtacwtga aaaatccatt ctcttgggtg cactacmagt ctgcttagtt 60
ttaagtgaaa ttccttttat gtctacttgg tttttacttg tgtcaacatt tagtatgcta 120
cctcttctat wgaaggatga actcctaatt ccctctgttg tgacaacaat ggcatttttt 180
atagcttggtg taacttcctt tccaatattt gaaaagactt ctgaagaaga actgcagttg 240
aaatcctttt ccatttctgt gaggaaatat cttccatgtt ttacatttct tccagaatt 300
atacaatatt tgtttcttat ctcagtcatc actatgggtg ttctgacgtt gatgactgtc 360
acactggatc ctctcagaa actaccggac ttgttttctg tattgggtgtg ttttgtatct 420
tgcttgaact tctgttctt cttgggtatac tttaacatta ttattatgtg ggattccaaa 480
agtggaagaa atcagaagaa aatcagctag ctgtattcct aaacaaattg tttcctaaac 540
aaatgtgaaa atgtgaacag tgctgaaagg ttttgtgaac tttttgctat gtataaatga 600
aattaccatt ttgagaacca tgggaaccaca ggaaaggaaa tgggtgaaaag tcattgttgt 660
ctacacaaaa taaatgtata tggagaccaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaa 723

```

<210> 1282

<211> 331

<212> DNA

<213> Homo sapiens

<400> 1282

```

cggacgcgtg ggcgacccac gcgtccggct caggcacgtg gccacctttg aaccagggat 60
tttgatcggg ggactctcat tggcccggcc ccgttgggtt ccttgtcccc tggccccccac 120
gggagtgagg atggcgccat ggtggagagc accaccagga ccacgtggag ttagggagag 180
actgtcccc taagaaaaac ataggacccc tgcaagccca accacctctc ccattagaat 240
ttttcagtca ggcacaatgt caaaagttca gcttaggktg garacaaatt tgcargacag 300
gtttcccara atcatccaca ttaccaccta c 331

```

<210> 1283

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

805

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<400> 1283

```
gttctagcaa gtgtggtttt agctgtatta gccagattgg gcggccggga gtggtggggg 60
tgccgggtgg aaggctctgg gcggggtctc aggacctcc ttttcttggc ggggatcggg 120
cttgtggtgc cgctccccgt aatgtacgga ggaagaggga aagggtctctg gcccctcgg 180
cgtcatgtct tcggtgctgg cggttccca tccgtgggt ctatcctcaa acgccgggac 240
accggaatc tcggaggaag ggacaaccga ggattccagc tggttcctn catcgggggtg 300
cttcacaatt tcttcatttg attttcangt cttgcggacg ctgttat 347
```

<210> 1284

<211> 918

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (822)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (866)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (878)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (916)

806

<223> n equals a,t,g, or c

<400> 1284

```

gacacnaacc ctcactaaag ggaacaaaag ctggagctcc accgcggtgc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag cctgtcacca tccccagccg 120
ttagccatgg cttcggttct ggctcccggt cagccccggt cgctggactc ctccaagcac 180
angctggagg tgcacaccat ctccgacacc tccagcccgaggccgcaga gaaagataaa 240
agccagcagg ggaagaatga ggacgtgggc gccgaggacc cgtctaagaa gaagcggcaa 300
aggcggcagg gactcacttt accagccagc agctccagga gctggaggcc actttccaga 360
ggaaccgcta cccggacatg tccacacgcg aagaaatcgc tgtgtggacc aaccttacgg 420
aagccccgagt ccgggttttg ttcaagaatc gtcgggccaa atggagaaaag agggagcgca 480
accagcaggc cgagctatgc aagaatggct tcgggcccga gttcaatggg ctcagtcagc 540
cctacgacga catgtaccca ggctattcct acaacaactg ggccgccaag ggccctacat 600
ccgcctccct atccaccaag agcttcccct tcttcaactc tatgaacgct aacccccgtg 660
catcacagag catgttttcc ccaccaact ctatctsgtc catgagcatg tsgtccagca 720
tggtgccctc agcagtgaca ggcgtcccg gctccagtct caacagcctg aataacttga 780
acaacctgag tagcccgycg ctgaattccg cgggtgccgac gnetgcctgt ccttacgcgc 840
cgccgacttc ctccgtatgt ttatanggac acgtgtantc gagcctggcc agcctgagac 900
tgaaagcaaa gcagcnct                                     918

```

<210> 1285

<211> 3211

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1285

```

gggattacag gcatgatgcg ccgcacttgg cctagtgttt tcttaactgt gaaattccca 60
ttcattttct gaatgaggct acatcttatg gacagagcaa agttattgtc ctacagattc 120
ttaaactat aattatggct attgcatgaa atttaaatag attttattat gtctgcaa 180
ctctgggctt ttatttttct ggaaaatata ggagctttaa tcaaacata atagttcttt 240
ttgtaattcc atgttaataa aaacaaatac tagcaattgc ttgaatttta atgaatattt 300
aaaagttcaa gagccacgga aatcacttcc agagataaga gtccctttc taaatagaac 360
acatttttaa aaaataagtt atgtttgcta ctaaaacatt tacactgkta gactattatg 420
tgcatgttgc caagactctt aagtaacttg gatatcaact gtgaagggcc tacctctaaa 480
aagtaacagg tcatacaaat acmaatgtaa ctgntaaaaa ttccactgga ttcttgcata 540
tttgcaagat tagattatct aaaagaaatt tcagtgtctaa aattaaccag caacataagt 600
tctatgggct ttgaaaattg ttctcatctt tttaaagtgt atgcattttc aatcctgctt 660
acacaggctg ttcatttgga taagtaata aaatgtctaa ggtgaacttg gcattatgtg 720
gagatgttgg accgttatag agcaatacaa attcctatgc tgctattctg ttttctgcaa 780
atgcaaactg gcttatatgg tcaacagtgc aaaaataggg tagttggctg catatttagg 840
gtattaccta agcatttgtt ctctaactgt gctctactag aatgattttt ttcttgcatc 900
ttttcacatt aatgatgttc tttatataac tttcatgcga ttatttagtt ttttaaatta 960
ataaagtga ttaagaaat attgaaataa acatctaagt aattgccatt ttaaaccctt 1020
gtttcttact gtgggagagg gggaaataca gcactcattt cttgttttta atttgagaa 1080
gtaagtgaat atctatgtaa aatcaaacca aaagagttgg actgagtgtg tattgtcttg 1140
agattaagtg acaaatagta aagtgttact gagtaattaa gcccatgtat tttttttttg 1200

```

807

```

tgagttgaaa atctttgaaa tatgtgataa ccgaatgtca aaagttccta aactctaaca 1260
gtgcagggttg ttcactgtaa cgaggtaact catatttgct ggttacataa actacaagta 1320
ctgctctcac aatatgggac tttgaactgt gatgtagtcc aacagttgcc ggcacacctc 1380
cagctgatac gctgcgaata ttttgggtta gacttgcagc cagatgcagt tttgcaaccc 1440
aagaaaaaag ttgaacctat gatcaaaaac tgctcccaag atgaacctgg aaaaaaatca 1500
gctaagctcc cttggcgatc tgcaggaaca ctagtaatga ctggaattac tccgtgatct 1560
ttgatgacta ttacacataa cagcactcta gcaccttttc ttactggcat ggacttcctc 1620
atggactgct acttcatgga tgatagcttc attgctttgg gtagggattt aaggtagtca 1680
aggggaaaat acgcatttta ttacaggtct taacatcagg caactttcaa ctttaaaacc 1740
ctttgtgaaa aatgtgggta tagcactata gctctgattt taggatgggt aaatgttata 1800
ttcattgttg gcytacctta tcaaactgtg ccattaatcc tttcacagac ataggtaagg 1860
aagagaacaa ccagtggtt caggggacaa ttatctatct ccaaataata ggctttttatt 1920
tcttgagct aactttttca gtgattctag cagatgccat ctagtacatc cttgatcttg 1980
tttstttcgt gagagatctc gccatggcag catcttggtta agtaagtgtta attgcacatg 2040
cacaaaagac ttaactagct ttacatttag cagtcagttg gttagattag gtttcatagt 2100
aaatgaatag gaatagaaag aataggaagt gtttttattt tccagtagta attccgtgga 2160
ttccatttga cccagtttac tatcagttca gttcaggtag atttgggtca acttttggtg 2220
gtttttggct ctaggatatt cttgacttta atatcctaga acttactgag tcttcccttc 2280
aataaataca cttctcacat acctctaate ctatgcttcc ttgaaacaat aatgctagct 2340
gagttgttta ctaaggatta ttataagggc ctgaagggtg gggagtggag attaatataa 2400
acctttatgt tctccaatat aagggaagag caggttggtta ctacttctga ttaggcagaa 2460
aacaccagga ttctttaagt gatccttgaa atggttattg ttttctgcct tgtcacattt 2520
gccactgtgc cctttaaaac gatgtggaaa cctcaggttt gtggacagca caggtggaat 2580
gacatcttgt gcttcctgag gctccctctc accaggcaca ttagcttagt gcttcagatg 2640
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gctggagcgc ttgcaactct caggtgacta ttctcacctc catttcctcc acatgcatta 2760
ggtgaaactg aggtctaagc ctcctgcaag gtctacattt taaggactca cacatcaggc 2820
tctcagaaat gtacacaggt attagttctg tttgttctaa aggaaatgtg ggtatctctc 2880
aggccaggac ttagtacta gttttcgcta gacagcaggc taatacctag atctcattta 2940
aaaaaaaaaa aaaaaaaaaa ggattaaagg gaactgatca ggtttgttga gttttttagc 3000
ctaattccaa agcatggaag agtgctctag gtaggaaaga aagctttttc ttacgatttg 3060
tagctaccta ctgtgcctga cttggtgcct gtgtgaggat taagccctta gtctgctctt 3120
gcaattatct aaatgacaaa tttaatttgc ttttgtaata acaataaaag ttgtcatctt 3180
cccttttgaa aaaaaaaaaa aaaaaaaaaa g 3211

```

<210> 1286

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<400> 1286

```

tgaggattag tgcagtnttc ccaagggaaa atatgatcat agctagtggg cttaccttgg 60
cagtacttag actgtgtatc ctttgaagtg tccttatcta gggatgggtt ccatgaaaac 120
catacagggt ttctaaatga cacagtctgg gtaactgcct agcttatgta atcatgtgag 180
gggttaataa tctctagggg gtagttacac tgatgacttt tcaaggttcc cmgggcctga 240
ccaaaatttt ggcttctctt aatacaaagt ggcacctgga attttagctc tgtgtacatt 300

```

808

```

gatattgggc cccaaatggg tttctgtggg atgcaacccc agaaagggtg ctctgatagt 360
actggagaag gtttactgct tgcctgtca tcgtagttca tgtttttttc cccaaggcca 420
aagattgggc tgggattggg gtggtagtgt atttgaatga tgctggagat aaccaaagcc 480
aacagtcttt gccagagctg ggctggtggt atttaactgt ctttgagtta aatgtaaagt 540
ttttaataaa taccagaat ccattaactg ctggaggggt aaagtgaagc tctgttgtaa 600
aataaagctg attccatta tgcgtggtcc tgtatacaca ggctgtgggt gaccattatg 660
gaacaaaaaa atacttattt gttattttgt gctatagaat aggaacttca ggggtggata 720
cctatgctgt caggaatgct tgttataaga attaattaaa acactttgct taattattaa 780
aaaaaaaaaa                                     790

```

<210> 1287

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<400> 1287

```

cggcacgagc ggcacgagcg gcacgagggg atttctaggt tttcccttg atccagcag 60
ggttgtagtg cctaagagag cttggaaagg gatagagaag tctgacccaa atttgcgag 120
sgactgagtg tatgctgccc ctttctggg ctttggttc ttcctcaatc atctaggcac 180
agtcckatga ctgcctgttt ttgaggatgt gggaagggtc tgcaaataca gtgctttccc 240
attgacacac gctggtgagg atgcaagctc cctggcacca gcagtgaggg ctgagattgc 300
aagagtaaaa acttcatcac tgggaagaga agtctgcagg ggactggaag tgatctgaan 360
attctgaaat aactcttct ctctctgcag a                                     391

```

<210> 1288

<211> 392

<212> DNA

<213> Homo sapiens

<400> 1288

```

gggaaaggag tgtttcccag acagcccagc ayctgcaggg gatggagggc acataagttt 60
gaatataaag tttaacaaat caggggcagg gccagaggaa ccaagtccaa gctcttgggt 120
tcaactataa agtaccatgg aagtttgaaa actgaaagag atcaaaaagc tgtagaaga 180
aaacgcaggc atcaatcttt atgaccttcg attaggcagt ggtttcttag atatgacacc 240
aaaagcaaag caacaaaaga aagaaaactt aaagtggatg tcatcagaat gaaaaactct 300
tgtgcttcaa aggataccat cacattttat aattcatagr tctgataaag grcttgtrtt 360
aaggaawtmc aaggacctcc acctccatta cc                                     392

```

<210> 1289

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1289

```

agtgtgaagg tagccatctr aggaccagtg ctacacccaa gaatactgat aagtgcttct 60
ggtgtgggag aaatraggrt tatttatata gggcaaaaca gaggtgttga acaggattac 120

```


809

agcattttt

129

<210> 1290

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (424)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 1290

```

gtccgggagc agtgggttga gttcncagag tnatgacgtg gagtggctgg gcctgggcag 60
atgtgcacat cgtctgtact ctggatccct ggcccagaag gactcagatc cttacttcta 120
ggaattttca tttaatgaac attatgagaa ttggagggaa ggagaattcc ctttacagaa 180
tcaacccaag ttttctgcag ggatagggag cccttgtagt aagttatccc catagaaatg 240
aaaacccagt ctccaccatg gctgttctta ctctctcaga gaagctctga taaatgaatc 300
ttcctggata tcctgatcat ttccattttc cacgtgctcc attcctgctg ggaaccccag 360
ttggcggaca caggcagatg gccaggggac cttccacaaa gggccacagc ctgtggccng 420
ccantcantg tgcccttcct tgtg                                     444

```

<210> 1291

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

810

<400> 1291

```
gcacagtttc tctaatacatg gtcaacaaag atctgacagt gcatcgtccc taaacgaccc 60
atacttgccct cactgacacc atgtggccca cttcccatct ataatactatg tctgggtgtg 120
aagcccttcc catatgatcc cccgaatgga acttcacaag ttcgaattca ctgggtcaca 180
gtgtgatagc gtgaagatgg gaggacgtta agggaaggct atgggtgagt tgggaaatgt 240
gttaggcagg gtcagagatt accacatcct aaaaacaaca cttaggcgg gagatgacaa 300
aacaatcaat gaataacatg actttttcca gtgaaagtgc catatctaata ctttttccat 360
ttttgttctc tgagcttctt tcttagggaa gatccttctt gagaagcccc tgctgagtat 420
taggaaaatg catttcagga cctctcatca acacaccctc tttctttacc acaaccacat 480
atatgggggc ataactcaac atgtgtaaaa gacaatcttc tgcttttcac tgaacctcca 540
ggaattcagg acaataaayn tctacatgsa gaccaacagg tgagtttttc tgccccttct 600
ttcataacac cgttcttccc tagtgaagtc cacacacatc cttacatggc agctgtgggt 660
atatcaactg gtc 673
```

<210> 1292

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<400> 1292

```
gccagaataa tattctctta tttgcatgta tctaccacat tttatttatt cattcagcga 60
cgggcagcag cctgtagata gttttgtttt catgtattga atggtccttt cccccagtgg 120
agttagtaaa tgcattccgga agcagaattc tgttggttcc cattcatcac tgtgtgccag 180
gtgtctgaga aggggggtctt ataggagccc acgcaraaac caagctcacc tcagtctggg 240
tgtggggcag tcagggaagg cattctggaa aatgtagctg actcgaaata agcacctatt 300
graaatagtg tgcygagccc tggaacatta aaaatgtgtt cctatgtgga aatcanaaat 360
gtatgggtcc ca 372
```

<210> 1293

<211> 1204

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<400> 1293

```
aagcttcctt tgnnctagcc cggccgccac cgcgggtgaac agacagctcc caggttccca 60
```

811

```

attttattaa tgccacgcta ccacctcagg agcgcatcac tgctcaggag attgacagct 120
acttacgccg ggagctgacg tacaagcgga atgagagaat agggaaagcg gtgaaggccc 180
ttttggagga gttccctgac aaaggcttct tctttgcctt tggagctgct tcacagtagc 240
cttgaaaatc aggagccttg aactacagta gctgtgaaaa ctgtttgcct aatgggtact 300
ggagggggaca gaatgggttc aaagtccctc caaagctcca tccttaaaga atcatcacta 360
tttgacatgt ccaatagttc cctgaaatct ccattcccaa gcttgtcttc atttgacctg 420
actcagagct tgctctgtgt gaatagccct attcttaggg tgtgtgttga aaacaatcag 480
tagcagctgt ttaacatcat agttgctgga aatagcaata ttaattgaag cttacaaggg 540
gctgccccaa aaacttaaaa gcaaaatccc atagggggta tagaaaagct ctaaaatatt 600
cctagagagt cacatgcatg agaagagctg tgcacatgcc caggaaagac ctgagaaggt 660
cctaattctct cacctctggc tgatcttgag gctctgtgta agcagagtgt gaaagctaag 720
gcaaagtcac aaattgcctg ttgaagcatc aaatacatgc ccccaaactc acacagcccc 780
tctgcaaagg ttgggaaact tgcaaggaaat ttaaggaaat ctctgttcag tcattagcca 840
gccactaaac taactgagca gatccttcag tgatcacaca caacaaagaa tacagacttt 900
acagacttag tcctagaaaa tcactacaca aacagcaaca acaatgcacc tgggactaag 960
ggagaggaga tgagttccag agttggtata ttatttaaatt gtctagtttt caataaaaac 1020
aattataaga cacagagcaa aactagaaag tatggcccat acccaggga aaacaagcaa 1080
ccaatagaag ctgtccttga ggaagttaat atcttggtact tactagaaaa tgactttaac 1140
mctagtatta taaatatgtt cmaaaaaacta aaagaggcca ggtgcggagg ctcacgccta 1200
taat 1204

```

<210> 1294

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<400> 1294

```

aagtgtgcaa aatagcatta tttctaaaaa gacaatgtat atatcttatt taaaaactat 60
tgtagaaaaa tgctaattgat catttgagct ttcagtaagt tgtaatcttt ttgggtggtag 120
agggtctcgc cttgatgttg atggctgctg actgaatcag ggtgatggtt gctgaagggt 180
gaggtggctg tggctattaa aataaggcaa caatgaagtt tgccacattg actcttcctt 240
tcaccaaaaga ttctctgtga gcatgtgaca ctgtttgata gcatattccc caccacagat 300
cttctttcag aactgggggt gggacctggg gcaacttgag taatggttct aaaccctttg 360
ttgtcatttc aacaatgtgg cacagcatct ttcaccagra gttggattcc atctcaagga 420
aaccactttc tttggcttca gccgtaagan ggcaattccc ccgtttcaag tttt 474

```

<210> 1295

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

812

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<400> 1295

```

gcgaaggcag aatcattttt tctacctgtc tgaatcagca ctttgtaagt ttacataaaa 60
ttaaggattg tgattttctaa gataggcatg ctttgcaaat atttctctat aaaagtggaa 120
gcctctttcc catagtgtc actttaaggc tttctgtagg cctgccgata agattcactg 180
ctgttcagggt acataagatg taatgtaatt ggatgcacat gctgggcttt gtaaataaaa 240
tgagattgac acccagcaat tatctcattt atctgattta cattgtaaaa tcaggatcta 300
cactattgat tagagcataa ttagttaatt atgaacaggg aaatacaaag ttacatggag 360
cttgagctca gcargttgta ctgctnaaaa atttccaagg gcatgancag atggaaatca 420
gtttattaaa gaacaaagca gacatgtttc 450

```

<210> 1296

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<400> 1296

```

aaagctggta cgcctgcagg taccgggtccg gaattcccgg gtcgaccac gcgtccgcta 60
agattagaac agctcatagg agagtcatga ttttgaatca ccagataaa ggtggatctc 120
cttacgtagc agccaaaata aatgaagcaa aagacttgct agaaacaacc accaaacatt 180
gatgcttaag gaccacactg aaggaaaaaa aaagagggga cttcraaaaa aaaaaaagcc 240
ctgcaaaaata ttctaaaaca tgggtcttctt aattttctat atggattgac cacagtctta 300
tcttccacca ttaagctgta taacaataaa atgttaatat tcttgctttt tattatcttt 360
taaagatctc mtacaaaana aaaaaaaggg cgg 393

```

<210> 1297

<211> 627

<212> DNA

<213> Homo sapiens

<400> 1297

```

tgtcctagag atcctgagaa ttacttttaa taaaatcatt tttttgctgt tattaaaact 60
aacctgaatt gcctaaaacc aagaactctg cttgataaaa taagcatagt tttaggaaca 120
gccatgcaga tataaatttt atcaacactt tatacataat ttgggactta tatttaaagt 180
taatatttga tgcttataaa agggtaaagt gggaatgcaa ataaattatc aagcataata 240
actcatcacc taacttaaga ataacattat gagtgcttgt attttatcta tttgagctct 300
tctcctatct ttgccgaccc ccccgctctc tttttaatag atttgttcga atgtagaaag 360
acctaaaata catatgtatc cctaaagtga cttattttat agttttcttt ctttttgaac 420
ttcaaaaaaa ttgtatcata ctctatgtag tctaaggatt tgggtttttt cactcaacat 480
gtctctagaa ttcacaagtt ttattgtttt atagctgtca ttttcattga tgtatatttc 540
attgttgggt tatacaacat attgttaagg aatacataca tatataataa attatacatt 600
ttttaaaaaa aaaaaaaaaa aaaaaaa 627

```

813

<210> 1298
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (339)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (343)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (352)
 <223> n equals a,t,g, or c

<400> 1298
 gtgggcctta ggggtacagca gcgccgycag cgtttggtg catggcgccg ggggagggcg 60
 ccctaaccga gaagctgctt aatacaaaga gctccaggct cctggcggtt caccagggtct 120
 aaacagcccg gctttatttg tgggggcgat tgaaaaaatt gaggggtcaag attgggggtgc 180
 tgtgcaaata aatgcgttaa tactgttctt tttcttctt ctttgtagta gcctctagtt 240
 cgttagtcaa aacgttgaaa aaaaatactg ctttgccctg ggaaataata accctgccaa 300
 atactccact tgttggaac aaaagatttt atggaactnc ttnaaaaaaaa anctccacat 360
 gcccatTTTT tttaccggtt t 381

<210> 1299
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 1299
 gacattgtaa ccgcagattc agcccaatct ggttcaactt tgtgtaataa aatggcgagt 60
 tgtttttcag ttgtcgtgga cccccagggt gcaagttaca taccctgggc atgtccagat 120
 gaacgaagcg tgcaaatacca cgtggaacct aagtgtcag actgaggaac agggactgag 180
 ttaagaagtg gacaccacgt ggcattgatcc ttgatccaat cagattgagc cctggcggtga 240
 tccagtcaga tcaagcctcc tgaatcccct cattacaaga tccaatcata tcatgcctca 300
 ctaccctctg tatataaaat ctgccccagc ctccaacttg gagagacaga tttgggccag 360
 actcctgtgt ccttgcttgg ctgccttgca ataaattttt ctctctacaa aaccccagtg 420
 cttcagtgtt tgggtttcca atgtgagcca gggaactgac ccaatttagt tcggcaacaa 480
 cataagcaaa atgttttccc gagttctct 509

<210> 1300
 <211> 452
 <212> DNA
 <213> Homo sapiens

815

<210> 1303
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<400> 1303
tagcagcccc nntcttttaa ggcctgacta cagaatccag cagcttttgt ctggagagct 60
ggactgaaga gaggcatagc tggagacca tagctggccc tggccagaam caggagagt 120
gaaaggctgg aatagccaag gccagagcaa ggctaatagg tagagcaaca gcttacaggt 180
gtgggggtgg cagatactgg cacccttgaa atggattcct catgcccacg cttcactatt 240
cttctctgtg gctaggggay ttatggataa accaaaatta cagttaaaaa ccanccatag 300
gccaggcaca gtgactcacg cctttaatat cagcactttg ggangacaag gtgggcggat 360
cacctgaaga tctggaattt gagaccagcc tggccaacat ggcgaaaacc catctctact 420
a 421

<210> 1304
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<400> 1304

816

```

cagacctgtg tctgatactg ratacagtgc catggggaccc tgctccaatc taactgccta 60
caacctgccc rtccccctgc tgcagggatg ttgctgctac ctcgggaggc tctctgagac 120
tggtgtctgg tcttagatgc tgcacatagt acctggtgct agggctctagg ggctgcccac 180
agcccagcag gaacagctac tactcctcct gcagagnect tgncccagac cagctttcca 240
tccaaagcct cacctggttt ccatgtccat ctcaacagtc tggccttcct gtgactgtag 300
cctggcagcc acacctcag taatcccrca cagtgaagtc agcttctctg ggagcttggc 360
cttcagttag cccagtcctat gagagggcag ggtaatgagg aggagtaaag gacctatctt 420
ctctgtccac ataaggaagt tgggaccaca aggtctttta tctccttggt actccccaac 480
cccaccataa cctcctactc agcacacagc tttatcctgg tagattataa ggtgagcttc 540
cagaacctgg caggaggctg gtgtatcccc ctgcacagas ggaagtgtat ctgaatgttg 600
tgtatgtggc tgatatggaa gacatacatg tatgcaatcc atcagcgttt aaagaagaag 660
attggctcca gttckgagga ggaggaggaa gattacagat ctattctgag tatttttttag 720
agagttaata tttatatattt tagtaatttt ctggtagaag gaaattgcac aataaaatga 780
tttggtttgg wtwgaaaaaa aaaaaaaaaa aaaaaa 815

```

<210> 1305

<211> 529

<212> DNA

<213> Homo sapiens

<400> 1305

```

tcagtgtctt tcagtttgtc aaagagygga tctcaaaatc ttgcttaaag ggtaaytgag 60
atgtagcaga tttattttact tagtcatgga aagaaaaaaa ttcagtcaaa agctaaagat 120
ttccttttga ttgaagacag attggttctg tggccttgga actttccag acttaatggg 180
gaaacatcat ttctagatta gcatactctt tggttttaa ttaatatata catttaatgt 240
tacttaggga tactttttata ttttgcata ataaagcctc atatataaag cttattttct 300
gatgtcttta gatttctgag gagtgaagtg attaagtgtg attcattagt gtattgggtat 360
ttcttcacat ccagtgaat tggaratatg ttgtatgtta gaagagcatt ctttaaattg 420
tggttgcttg aacatgtgta ccttttctag attcagtaat ccttcccc crkcmtytgg 480
agtatgaaac ctttagagtc acaataaaat gtaactaaag aaaaaaaaaa 529

```

<210> 1306

<211> 921

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<400> 1306

```

tagtaattat ggacttttaa aactatccat atataccatt ctaacaaggg actctgatat 60
gtcagagta gaggtatctt tctatggntc ctcaaactc ccagggaatt cactatcacc 120
agaatatagt ctcatgttcc aaagttagaa acaagcatat agtgagaatt catttggtta 180
tgtcttaaaa tattatttgg tttcctnttt ttgacagagt gaccttaaac ctgaaagtgg 240

```

817

```

tagcaaggta agaagtcagc ggtttgtcct gtgtttatat ttgtgtttac tcaagtagga 300
ctgctttttg aaacattttt tcttaacaag agaagttaca aagtatttac tttttcccca 360
agcaaaaatc ctatttttct ggaatttga ctcagtatca tctcaggaat aaaagaatag 420
ctgagtccttg aacagtagga aacattttgc taatgccttt atacgctttt ttttttaact 480
gaaactccaa agctatgccc tgtgtgggtt tgaaagaaat tagtttatgg gttcagttgt 540
ggaaaaatat cttactttta cattatgtag gacaagtgat aataattgtt tctgtgttgg 600
aaaaaaataa ttgcaaagtt gttttgtttc ttataggtta tcttctttat ctgtaataca 660
gaggcctttc tgtacttatt ttccaaattt aattcttttt tctgttaggc tcaaacaggc 720
ccacaccctt cccggttact tagtaataca gcgaaaacaa aagactaagt atttgagtgt 780
ttgaaaactt taatgtgtac tacattgcat accaggaaga aaatatggaa ccattttctg 840
cctccacag cyargtggtt cattccctta ttccctaaca attttcctta atttctgtcc 900
ttcagatagc tggtagacag c                                     921

```

<210> 1307

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1307

```

acgacgggta acatccacgt gggcggggggt gggcggtgc ggccagccaa ggcccagggtc 60
cggttgaacc accctgctct cttggcctcc acacaggaat ctatgggcct tcacagggcc 120
caggggctcc tgatgcccc ttccacatgt gagccaggac atgaggcttc cctgaagcaa 180
ggatttcagc cagatgccat agaccctcag aacttgacct ggaagtccag aactgaacg 240
caggcctcaa aactgctgcg gccttccaac tctgtgtatc tgcacggcg aatggccctt 300
cttgcttga tccacagga tggggaaggg aatgtcatta atgttttgtt aatactgatt 360
ctttcatgca atgatgtgta ttttccatt ctggaggctg tgggagatga caagacaatg 420
aatgggaagg tctgacacag aacaaatcag cggttctgaa agcttgggga atctcagact 480
cctttgagaa ttattggaaa atggaccmc tawaacttgg cgtgtgtgtg aactgcttga 540
tgccatcca ggaaagccaa gttaagaagc tttgcttcaa gtagacacta gaaatccatt 600
cccttggcaa tttatacagt tcacgtctcc caccatccgt tcatctcacc caccctgcca 660
tctctccacc tatecatctg gctattgctc catctagctt tcccgtcca tctaccatc 720
ttccaatcca tcatctcag tatctgcctt gcttatccaa ctgtctgcct tattcaccca 780
cccatccctt tatcattcta ac                                     802

```

<210> 1308

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<400> 1308

```

acaaaaaaaa aaaaaaaaaa aaaaaaatt caggccgtta ctggagagtc ttggggaaat 60

```


818

```

ttttttttaa aatgtctgaa aattttttcca cttaatccat tgatgaattt caaagcaatt 120
gtatttttttc atacaagcct gccactgtga gcctgttctt attgtatctg agctntttgt 180
gntgcctgaa ttttgtctct taattttctt tcagcttcat agtgwtccat tcttcaattg 240
tgttggaggg aaaaataatg gtagaaacta aaacacactt tgaccttttt tttccaattt 300
gtagatggca tttggtaggc ttttgggagt aatagcctat ttcaaaaatt aaaagggtgat 360
gcaaaattat tgtgggagt 379

```

<210> 1309

<211> 1444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (948)

<223> n equals a,t,g, or c

<400> 1309

```

accacgcgt ccgctaaaat atccccccaa accccagcaa tccaaaacac ttctggtcct 60
aagcattttg agtaggggat actcactcaa cctgtatatt tgtgctaata catgactcat 120
tagaatgatt ctttgtaaac ttaatatattt aaaagtacag cacttctgta gtatggaagg 180
tttcagtaat aattatatcc attcagtagt ctcttaccat tatctcccag atggaaaaag 240
aggactaatg tggaaacccc agaggggtgtc cagttggacc agggagatat tagacactta 300
acagtatttt cagtctgtcc atctctttat tccaatgtga gaaatggaag tgtttttttt 360
tttacgttta ttggctcttc atatttctct acattatttt taatgtgcag tttcttcaat 420
tggttagtat ttccatacta tttgcaactt tatggccttt aaatatagga catattatat 480
agcagaaaatt ttgactttta atcctcttga gtagtatatt ttgagaagaa aagctatact 540
gctcttcttg atggtttcca tcctttattt aggtcttttc tttttgaatt caagtgtttt 600
gtatgcttag aaagtagaca tgtataatat tgagatcggt tatttctgag ctggaaattg 660
gaaacttttg aaactcagga aattgctctg acaatgtttt aactgctctc aatttaagaa 720
aatgacgaaa tgtataaaaa agacaaaaat aacgtgtgct gttttttcca agtgcttttt 780
ctaagtgcct ttccattgtg caatgagggtg aagtttggta atttttcggg gtagtagtta 840
aatattgctc aattttttatt tacatgtaaa gaaaacagat ttaaatgttt atgtggccaa 900
aaggtgtcat taaaagggtg aaataagttt atgtagaatg tatgttcnat ggtgcttatt 960
tttaaaatgt aattcaagtt tacagtatta cttaatgctt ctttacagat ttaatagaga 1020
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acaaagttca ttattttcct taaagttgag caattgactt ttatgggtcca atgatgaact 1140
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tatcagttgg agaatatatt ataaaatttt cagacagtat atcagaaaaa tgttttttatt 1260
tgtactgtat agaaaatgta attttgcctgt taactctgta cttttttaat tgaaaatgtt 1320
ttataaattt gctttttaat tttcttatga agccatttgc aaattacata cttaatttaa 1380
taaaatactt tagccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaact 1440
cgag 1444

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<210> 1310

<211> 353

<212> DNA

<213> Homo sapiens

<400> 1310

```

atgaaactga actatcttct ttttcttttt attccttctg ggataaagga gaagtaattg 60

```

819

```

taggaaaggt tatgaaacca ttttacggaa aagtagttag aaattaagcc aggacaatgt 120
cattaagtct tcagtgcacat ccctaggtac agcttttgtg ttttcatctc cttttgtgtt 180
ttcaagtgaa tagcagaaaa accctttaat ggtgtgcttc ctgtactggg ctacacagtg 240
gtgtwccaag gtatatatga aaccacagtg taaacaaggc ttgtcttccc aagacatcaa 300
ttttgataga aaawtgtgtg tgttcagtgtg tgtgtgtgtg tctgggtgta atg 353

```

<210> 1311

<211> 927

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (729)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (773)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (889)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (903)

<223> n equals a,t,g, or c

<400> 1311

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ttttgcaaata ataacaataa tagtaataac acaattttgt catttaaaaa attacccatt 60
cattttttcaa acttgactgt tagtggaggg gtatatgtgt gtctgtgttt ccacttatgt 120
aatggctgtc tcattattta aattaattta taattatttt tcagtgtaca gagtgattag 180
cggcttgtaa tgctgtttaca atgtagcatt gtaatgtaag atgaaggaaa aattaggatt 240
taggtgggat ttttaaaaaat ttatcaattc agctactttt taaaagaagt cctattccaa 300
ttggaccttt aaaattttta ttttggtaat atttcmactt argrtgtwtt aaaactrgcm 360
attctgtggt aatcagtgta ctagtcaaca ttaaaatgct attttggggt gtcttctttt 420
ggtaacatat tctgacacta agcaacatgt ttacaattt agtggratga acctacaaat 480
tcataaatgc ttctctttat tttgaaggaa aaagatactt gtctgtatac gacataattg 540
ttttactctt cagaatgtga aagttatatt aatcactaaa cactttaaga agtggttctg 600
gtaggatatc agtagtcaga cttaattgaa aaactgtcag cgtctgtttt gtatataggg 660
attaaagagg ataactttat tttttccttt ggaaagaata attcttttgg aattttggaa 720
ttttgatntt cttagatgac tttttagcaa tttaatgata ataatttcta ttnttcttcc 780
aaaactatgg catgttatag tagatcttac tattaaagat ctgtgtatat tttaaactgt 840
ttttttccta ttctgctttt tgctgctctc aaagactgtg attgatganc atcaccaaac 900
ttnttttgtg ggcaaaactgc ttattttt 927

```

<210> 1312

<211> 504

820

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

<400> 1312

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aatcatanca tttaatttta agattaagaa tattggcaaa gatttgttta tttttacctg 60
tctttattca aatgttctaa tatacatag ttccaagttc tctattactt cttaaataagaa 120
tatacatgat caaaagagta tgccctctttc taaatgagaa aaactttata ttataaatcc 180
agtgatacgg atactatcca tcattttggt ttgtatggcc taatgtatat cagtaaacta 240
aatagactta aatgtggctg gattttgact gggaatatgg gaagaacaaa gcaggtgaga 300
tcatgtatgt gactaaatat agcgttgatg cttaacgatg gcctctgagc atgttaagtg 360
tacttatatt ttgcagccaa aaactgtatg tatcaagctc caaccatcta taataaagtt 420
tnggggtccag ttccaagatg gnaaccaagg gttttttttc cgagacgtta agaaaagttc 480
ttcanccata attcttaacc ttcn 504

```

<210> 1313

<211> 864

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (815)

<223> n equals a,t,g, or c

<220>

<221> misc feature

821

<222> (848)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (862)

<223> n equals a,t,g, or c

<400> 1313

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ctgcttaatt gaagtgtaat ataggttgta gaattgttac ctgcagttct atgggtttgt 60
ttcacttctt ttctttttta aagccattct gttctttgga tgtgcttgaa aggggtgtgtg 120
attacaccat tgtaaatgct gggtaaaaaac tatcttcttg cagccttgcc tcataacagt 180
ggaattttctg atagacaaac cacaggactt tgattttaag ccaaatccat ctccatccct 240
ttactgtcaa tcttctgtcc cagtagttta gcctttgtgg cttaggttat gatgcgcctc 300
cttctgtgcg accaatgaga cgacttcagc atctttttaa aataatctaa gcatcattga 360
agcagtaaca caaaaaaaag gttcagtatt ttcttttttag tataacttac atcctttcaa 420
ataagtcttt gccctcatga agaatcccta gaggaagata agggaaaataa gtattttcca 480
gttttgcttg acagtttcta aacaaacaaa aataaaactca atgaaaggaa agatgtttct 540
tttttagctga gatgacagat tgcttctctg tattaaatag tctagaagtt aaggggatgg 600
tcacatttac catgtattgt gttattagca gttaaatatt atgaatatgt ttgtaaaatt 660
gttgttttat atttcatgtc aaattgaaaa gtttatttct tcaactattgt acctgtggaa 720
atacaagcca ttttacagga aaaaatcttc aaaaactatt aaatggatat cagcctgttt 780
tgtgagccat tgtcttcaga ttctgtgggt gtccnggggt catagggcat tagtaggttg 840
tacgggtnga ccgatttttc cntc 864
```

<210> 1314

<211> 869

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (784)

<223> n equals a,t,g, or c

<220>

822

<221> misc feature
 <222> (836)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (852)
 <223> n equals a,t,g, or c

<400> 1314
 tnaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgncgac cgctctagaa 60
 ctagtggatc ccccgggctg caggaattcg gcacgaggaa cagccaaagt ttatggaatg 120
 gtgtgctgag gaggagaacc aagagctcat cgccaacttc aatgcccagt acatgaaagt 180
 tcagaagggc tggntccagt tggagaaaga aggacagcca acaccaagag caaggaacaa 240
 atcagataaa ctgaaagaga tttggaaaag caagaaaagg tcacggaaat gtaggagttc 300
 attggagagt cagaagtgtt ctectgttca gatgctcttt atgacaaact ttaaattatc 360
 taatgtttgt aaatggttct tagagacaac tgaaacccgg tctctagtca ttgtgaagaa 420
 gctcaatact cgcttccag gagacgttcc cctgtcaag catcctcttc agaaatacgc 480
 tccttccagc ctatatccca gttcactaca ggctgagcgc ttgaaaaagc acttgaagaa 540
 atttcctgga gctaccctg ctaagaataa ttggaaaatg cagaagctct gggccaaact 600
 ttcgagagaa tcctgatcaa cgtggagcca gaagatggca gtgatgtcag ccccgccct 660
 aattctgaag acagcataga ggaagtcaag gaagatagaa acagtcatcc tccagcaaac 720
 ctgcccactc cagccagtac cgggattctt agaaaatatt ccaatattcg aggaaagctc 780
 agancccagc aacgttttaa tcaagaatga gaaaatggaa tgcccagatt gctctnggtt 840
 gttggaagtt angccaagtt cgtaagagc 869

<210> 1315
 <211> 1832
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1823)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1829)
 <223> n equals a,t,g, or c

<400> 1315
 gccggtggct gctgtctctg ggcgggccgt gggaggctcc cgaggtgggg gccggggcgg 60
 gatggctgca gcggcgcccg gggccgggag cgggccctgg gcggcccagg agaagcagtt 120
 cccgccggcg ctgctgagtt tcttcattca caaccgcgc ttcgggccgc gcgaaggaca 180
 ggaggaaaat aagattttat tttatcatcc aaatgaggta gaaaagaatg agaagattag 240
 aaatgtcgga ttgtgtgaag ctattgtaca gtttacaagg acatttagcc catcaaaacc 300
 tgcaaaatct ttacatacac agaagaacag acagttcttc aatgaaccag aagaaaattt 360
 ctggatggtc atggttggtc ggartcctat aattgaaaaa cagagtaaag atggaaaacc 420
 agttattgaa tatcaagagg aggagttggt ggacaagggt tatagctcgg tgctgcccga 480
 gtgctacagc atgtacaagc tttttaatgg tacatttctg aaagccatgg aagacggagg 540

823

```

cg tcaagctt ctgaaagaaa gattagagaa attcttccat cggatatttc aaacgctaca 600
tttgcagtca tgtgacctac ttgacatttt tgggtggaatc agcttcttcc cgttggataa 660
aatgacttat ttgaaaatcc agtcctttat taatagaatg gaggaaagcc tgaatatagt 720
caaatacact gcttttctct ataacgatca gctcatctgg agtggattag aacaagatga 780
catgagaatt ttatacaaat accttaccac ctccctttty ccaaggcaca tcgaacctga 840
gttagcagga agggattctc caataagagc agaaatgcc aagaaatctc aacactatgg 900
aagatttctt accggacctt tgaacctcaa tgatccagat gcaaaatgca gattcccca 960
aatttttgta aatacagatg acacttatga agagctccat ttaatcgttt ataaggccat 1020
gagtgcggct gtgtgcttta tgatcgacgc ctctgtccac ccaacgttgg atttttgccg 1080
aagactggac agcatcggtg ggcccagct cacagtgtcg gcctctgaca tctgtgaaca 1140
gtttaacatc aacaagagga tgctygggtc tgagaaagaa cccagttta agtttatcta 1200
cttcaaccac atgaatctcg ccgagaagag cacagttcac atgaggaaaa cgcccagcgt 1260
gtcgtcact tccgtgcacc cggattttaat gaagattctc ggtgacatca acagtgactt 1320
taccagagtg gatgaagatg aggagatcat tgtgaaggcc atgagtgatt actgggttgt 1380
tggaagaag tctgatcggc gggagctcta tgttattttg aatcaaaaaa atgcaaacct 1440
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cttggattga cggatgacgg ctcacygaga gcatatctaa aaaacactct gcaaacttt 1560
ggtcacatgc aagttagtgg tcatatgacg gactgcattc aggacaaggg taaagcaata 1620
cttgctttga agaatacat ttcgactcgg tctgctgac tgagggtttt agatttttaa 1680
tatttatgtg gaattaatta aaggtagttg gctatatcgc tatcatttca ttcttttgac 1740
attatgtgaa tattttactg gaaaataaga ctaataaatt gttaaaagtt tttaaaaaaa 1800
aaaaaaaa aaacgggggg ccnccaana gg 1832

```

<210> 1316

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (598)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (611)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (647)

<223> n equals a,t,g, or c

<400> 1316

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ggagttatca agtggaggag ggattagaac ccaggtatct tgagcccaag caatttgaag 60
gtgtttaagc taattctttt ctatgttttt ctggctgttt atgtactttt gaagtcttta 120

```

824

```

tctttctgtg ttaaaatatg tctatcggtt ttgcatttta cagcatcaaa aattaagaat 180
acttacattc ttctayaaat tgatgcttca aaatagaaaa tttggaattt cagaagctcc 240
agtacagtaa ctaatctgaa attattgatg cattttcttt cgtcaggga taactttgaa 300
agattcaaat gatttcaaaa tccaactttc taacgtctgg gagagaattc ctcaaacaca 360
tttagcagtc aaaacaattc tatagagtat aaaagatgaa gcatggcact tcgaagtaaa 420
ggttacagtt tctataaatg agaaaaggcc gaatatattg tagcaaaata tttttagcag 480
gaaagaattt actttgggag gtacttaggc atgttatatt aataactaat tacaagttca 540
gcaatttgta ggagtggaag gaattggatt aaagtanaaa gtcttaatat ctacacntt 600
aaaatgggga naagcctgtg aatgtgactt aatcaaatcc tggtagntaa accagt 656

```

<210> 1317

<211> 2520

<212> DNA

<213> Homo sapiens

<400> 1317

```

ggcactggag tccgagtcg cgcactcggt acctgaacag gcgttacagg ccctttggcg 60
cctgcgtatt cgtgaagtgt gaaaaaagcg cgcctctgtt gggacgggaa atcagccttt 120
ctattgggtca ggggttagaaa ccccgctttt gaggcatttt caaccaatgg aagcgcgga 180
ttcttcattt aaactgtcta taaatttctg cctagtcaaa gttaagagtg gcgccakgga 240
tttgaaccgc gctgacgaag tttggtgatc catcttccga gtatcgccgg gatttcgaat 300
cgcgatgatc atccccctc tagaggagct ggactccctc aagtacagtg acctgcagaa 360
cttagccaag agtctgggtc tccgggcca cctgagggca accaagttgt taaaagcctt 420
gaaaggtcac attaaacatg aggcaagaaa aggaaatgag aatcaggatg aaagtcaaac 480
ttctgcatcc tcttgtgatg agactgagat acagatcagc aaccaggaag aagctgagag 540
acagccactt ggccatgtca caaaacaag gagaagggtc aagactgtcc gtgtggaccc 600
tgactcacag cagaatcatt cagagataaa aataagtaat cccactgaat tccagaatca 660
tgaaaagcag gaaagccagg atctcagagc tactgcaaaa gttccttctc caccagacga 720
gcaccaagaa gctgagaatg ctgtttctc aggtaacaga gattcaaagg taccttcaga 780
aggaaagaaa tctctctaca cagatgagtc atccaaacct ggaaaaata aaagaactgc 840
aatcactact ccaaacttta agaagcttca tgaagctcat tttaaggaaa tggagtccat 900
tgatcaatat attgagagaa aaaagaaaca ttttgaagaa cacaattcca tgaatgaact 960
gaagcagcag cccatcaata agggaggggt caggactcca gtacctcaa gaggaagact 1020
ctctgtgggt tctactccca tcagccaacg acgctcgcaa ggccggtctt gtggccctgc 1080
aagtcagagt accttgggtc tgaaggggtc actcaagcgc tctgctatct ctgcagctaa 1140
aacgggtgtc aggttttcag ctgctactaa agataatgag cataagcgtt cactgaccaa 1200
gactccagcc agaaagtctg cacatgtgac cgtgtctggg ggcacccmaa aaggcgaggc 1260
tgtgcttggg acacacaaat taaagaccat cacggggaat tctgctgctg ttattacccc 1320
attcaagtgt acaactgagg caacgcagac tccagtctcc aataagaaac cagtgtttga 1380
tcttaaagca agtttgtctc gtccccctca ctatgaacca cacaaggaa agctaaaacc 1440
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caagaaaact tacaaacaac cccatctcca gacaaaggaa gagcaacgga agaaacgcga 1560
gcaagaacga aaggagaaga aagcaaaggt tttgggaatg cgaaggggccc tcatTTTTTggc 1620
tgaagattaa taatttttta acatcttgta aatattcctg tattctcaac ttttttctt 1680
ttgtaaattt tttttttttg ctgtcatccc cacttttagtc acgagatctt tttctgctaa 1740
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ttatcacctt aaagctcaaa ttctttggga tgggtttttac ttaagtccat taacaattca 1860
ggtttctaac gagaccatc ctaaaattct gtttctagat ttttaatgtc aagttcccaa 1920
gttccccctg ctggttctaa tattaacaga actgcagctt tctgctagcc aatagcattt 1980
acctgatggc agctagtatt gcaagcttca ggagaatttg aacaataaca agaatagggt 2040
aagctgggat agaaaggcca cctcttcact ctctatagaa tatagtaacc tttatgaaac 2100

```

825

```

ggggccatat agtttggtta tgacatcaat attttaccta ggtgaaattg tttaggctta 2160
tgtaccttcg ttcaaatac ctcagtgaat tgccatctgt cactcactat attcacaaaa 2220
ataaaactct acaactcatt ctaacattgc ttacttaaaa gctacatagc cctatcgaaa 2280
tgcgaggatt aatgctttta tgcttttaga gacagggtct cactgtgttg ccaggctgg 2340
tctcaaaactc caccaaagt acttcttatt cattttatgg aaaagactag gckttgctta 2400
gtatcatgtc catgtttcct tcacctcagt ggagcttctg agttttatac tgctcaagat 2460
cgtcataaat aaaatttttt ctcattmaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2520

```

<210> 1318

<211> 582

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<400> 1318

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aaatatgtgt cttttacagt cttttgtcat tctgacattt ctggattttt gctgttttat 60
aatttaccct ttgttattca gaagcatgct tacttataga aactaaatgg tctttataaa 120
agtaattact taaaaagaaa tctggggaag aaagatatct atctaatacta ttaaactctt 180
ataaaacatt acattgcaga gggggagcta ctctaaata ttttcatgat ttgcatgggt 240
taatcagatt tttttttttt tacaccatat tagctacctt ttcaatggag aagagacagt 300
tcacacaatt ccctgrttag cacagatgtg gactgagtgc tttgtcacct gcagrgtagt 360
aamccagtga tgtttcttac agaagcacia tatgttgaaa atcnggggtg tgaccaatat 420
ggaataaaga agaaggcaga aagagagcaa atgaaaaatt tcaacttgta tattcatttt 480
ttacattttg ctttgacttt taaatttagg aagtccgttt ttacctgagn acaaagtgtt 540
aaagtctctg cgtcactctc agtactctca ctgcccctcc ca 582

```

<210> 1319

<211> 1099

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1077)

<223> n equals a,t,g, or c

<400> 1319

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agccgggagg cgggaggcgg cggccgcggc ggctgctgct gctgcagtgg gacagggtgg 60
ggcgaccggc ggcgctccgag gagatttaac ccagagactg acttcactat agaaccaca 120
gttgatatcaa tggttgggga aagatagtgg caacaggcaa aggagaaaca gctctgacat 180
acaaagaaaa tgagtatgct aaagccaagt gggcttaagg ccccccacaa gatcctgaag 240
cctggaagca cagctctgaa gacacctacg gctgttgtag ctccagtaga aaaaaccata 300

```


826

```

tccagtgaaa aagcatcaag cactccatca tctgagactc aggaggaatt tgtggatgac 360
tttcgagttg gggagcgagt ttgggtgaat ggaaataagc ctggatttat ccagtttctt 420
ggagaaaccc agtttgcacc aggccagtgg gctggaattg ttttagatga acccataggc 480
aagaacgatg gttcgggtggc aggagtccgg tatttccagt gtgaaccttt aaagggcata 540
tttaccgcac cttcaaagtt aacaaggaag gtgcaagcag aagatgaagc taatggcctg 600
cagacaacgc ccgcctyccg agctacttca ccgctgtgca cttctacggc cagcatggtg 660
tcttcctccc cctccacccc ttcaaacatc cctcagaaac catcacagcc agcagcaaag 720
gaaccttcag ctacgcctcc gatcagcaac cttacaaaaa ctgccagtga atctatctcc 780
aaccttttcag aggctggctc aatcaagaaa ggagaaagag agctcaaaat cggagacaga 840
gtattggttg gtggcactaa ggctggtgta gtccggtttc ttggggagac cgacttttgc 900
aagggggart ggtgtggcgt ggagttagat gagccacttg ggaagaatga tggcgctgtt 960
gctggaacaa ggtattttca gtgtcaaccc aaatatggct tgttcgctcc tgtccacaaa 1020
gttaccaaga ttggcttccc ttccactaca ccagccaaag ccaaggccaa cgcatanggc 1080
gaattatggc gaccacgtc                                     1099

```

<210> 1320

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (654)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (714)

<223> n equals a,t,g, or c

<400> 1320

```

ggcctgatcc aagtgaccat tttcctttta gtttgacttt gggtgagttg cttagcttct 60
ctgagcctca ttttcttcat ctgtaaaatg ggggtgggtca gcattgttgt tggaggaacc 120
gaatgcctca cccatgggtg gtacttcata ctgttagtggt tgggcagggt tcctgtcagc 180
cccctccaag gaattcacca cccagcgagg ccactaaaac ctccagagta agtcaatcag 240
ccatactaag gaaagtgcata agggggacag acaagggtgag aagagaatcc tgtgggctg 300
aggctgcaag gaataagcca agtagaagga gaggaatccc agcgggagga atggggggag 360
caggggcttg ggagatgagg acaggcttag tgatggtttg tgggagacag ctcttgaggt 420
ggagagcagg aggtaggggg tgagacaaaa gtagaagagg gcttcagacc gcaggcccac 480
aaggaggagg tccatgagcc cctgaagctg tttgcacaaat tgttcctgta catgtatttt 540
tctgcgcaag actctgtggt ttcacagat tcttcaagta gtctggggcc attaagawtc 600
cctggtccag ctgggtgcgg tgactcatgc cttataatct tcagcacttt ggggnagggcc 660
ganggcaggg agggattcgc ctagagccca ggaagttttg gaggaccagc ctgnggacaa 720
ac                                     722

```

<210> 1321

827

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<400> 1321

```
atttacgtat gttacat tttt taagtatgag ttaaattgat ataaagtgtt cctcaatatt 60
taataatgta agctgttgat atgacagtat tttttaaaaa taataacgta tattatagtt 120
acgaaacact tgtgccagat tagaacatca agcacagaag cagctgtatg atttacctgt 180
twttttgaaa ctttaatggt taccttcccc katgtttaat ttttctgtgg tgaacacttt 240
tgtagaaca tggct 255
```

<210> 1322

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 1322

```
gcaaaaatac cataaaactgg gtgtcttaca aacatttctg aaagttctgg aggctgggaa 60
ntctaaggtc aaggtccag caggtttggt gtctggcnag ggccattcc tcaactgcctt 120
cttgctgtgt cactgcatgg tgggaggggc aagcaagctc ccacggcctc ttttacagcg 180
gccarattc cattggtgag ggttctgcca tcatcacatc atcaccacgt caccttcagg 240
gctagg 246
```

<210> 1323

<211> 339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

828

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<400> 1323

```

gaaaaacaag aaatagaaaa aaaggaagaa ggctgaacta aagcactaat tttatagggt 60
tagttttgtc agaatttagg acatttgga tccaaacatt aaaaggggaat ttatagawgt 120
ctgttcatac cttgtacagg aattctttgt acagcatccc tgtggaaggg cattttaacc 180
cacattcaat tccctcagtc ctaagaacca gctccaaggc agcttgctcn tctagctccg 240
tagtagccac cctggactta catgtttgaa tgcacctggg agggttttta aagatcaagt 300
tgcccaggnc acanctgcaa accaattaaa atcagaatt 339

```

<210> 1324

<211> 366

<212> DNA

<213> Homo sapiens

<400> 1324

```

caatgccctt watatgtsct ctkgtgtcag ggaccytggc aggaaacact cgaattgggt 60
gattttagga gattgtggta aggggacagt ttacaaagct gtgggcatgt ataggaaagc 120
gcaagggata ggacagggtg ccgggctatt tatagtata ttcacctctg gcctgatact 180
gggaggaggg ggggtgctcc ctgggacaag accctatgga tgaggcttcc tgacaagggg 240
agactgtgac cgtgctccct cctaccagag ctccctactg gccagccca agcagaaaca 300
agagcccatt caggtccatt cgtgtcatct cccaccgccc agtgcagagt ggagaaaagg 360
tctgga 366

```

<210> 1325

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 1325

```

aaacaatttg cttctggaaa caggacagcc ggggccgtgt tcctgcaaca gcagaccaag 60
caccgcgggc ggaccaggc aagcacgga caagctgaga cggatgataa tatggataca 120
aaatctattc tagaagaact tcttctcaaa agatcacagc tcttagaaat gtgctacgat 180
gtctgtgaag gcatggcctt cttggagagt caccaattca tacaccggga cttggctgct 240
cgtaactgct tggaggacag agatctctgt gtgaaagtat ctgactttgg aatgacaagg 300
tatgttcttg atgaccagta tgtcagttca gtcggaacaa agtttccagt caagtgggtca 360

```

829

gctccagang tgtttcatta cttcaaatac agcagcaagt ccanacgtat gggcatttgg 420
gatcctgatg t 431

<210> 1326
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<400> 1326
taattttgta ttttttagtag agaaggggtt tctccacgtt ggtcaggntg gtctggaact 60
cccgatctca ggtgatccac ctgcctccca aagtgtctggg attacaggcg tgagcaccac 120
gccagggctc tgacattntt gaatatccct atcaaccct ctcaccacc caaagcctgc 180
tgctcaaagc agctctaagc agaagagatg gagaaacatt cagactgggt ggagcatggc 240
ccaggctgtg ttgctgceca cttctgtcta gatgggcagt tcttgacttc cccgnetgac 300
gctgtgagc agccacagtc ccgactgcat tctggcttgt acccttacta tagtgccagc 360
cacagagagc agccagcagc attttaagta gncaggaaag gcccttctca cagcagtgtc 420
tggg 424

<210> 1327
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 1327
gcttttttct aattgaagct tggcaagcrg agggaaatgt attagggaaa tagcttttagt 60
tttgagtggg tgtcagtagc cagctgaaga aaaagcmaaa tgaaataggt agtagaaatg 120

830

```

agaaggggaga gaggggaaaga aagaaaaaaa tggatggtgg aaattttggtt gcatgtttctc 180
tctggatact ccaaaattat cattgtgggtt attgcctcac ttggcttttg ttagccatga 240
aaaaccagga acatttccac taccatttcc tgaccatcca tcaaccacaa tttttaggca 300
ttnggttaaa atttt                                     315

```

<210> 1328

<211> 1867

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 1328

```

cagttttctca agcgaccgat gttgaggtgg gaactgacct tgtcccttct gtcacgggtga 60
aggtcacact gcagaacaga gtantattgc aaaaagccaa attatcagtc tacgtgcaac 120
caccattaga attgacttgt gatcagttca cctttgaatt tatgaatcga aatcctgatg 180
gcattccgcg agttatccaa tgtaaattta gacttccctt aaagttaatt tgcctaccag 240
gtcagccttc aaaaactgca agccacaaaa ttactattga taccaacaaa tctccagtca 300
gtcttcttag tctcttccca ggttttgcca gtcagtcaga tgatgatcag gtgaatgtaa 360
tgggttttca cttcttagga ggtgctcgaa ttactgttct tgcttccaaa acttctcaac 420
gatatcgcat tcagagtga caatttgag atctttggct cataaccaat gagcttattc 480
ttcgccttca agaataattt gaaaaacagg gagtcaaaga ttttgcatgt tctttttcgg 540
gatctatacc ccttcaagaa tattttgagt tgattgatca tcattttgag ctacggataa 600
atgggtgaaaa attagaagaa ctcttatctg agagagctgt acaatttcgg gccattcaac 660
gccggctact agcaagattc aaagataaaa ctctgcccc tcttcaacac ctggacacct 720
tgtagatgg aacctacaag caggtaattg ctctagcaga tgcagtggag gaaaaccaag 780
gcaatctgtt ccagtcattc accaggctga agagtgccac ccatttggtg attctgctga 840
tcgcgctgtg gcagaagctt agtgctgacc aggttgctat tctggaagcg gcatttctgc 900
cgctacaaga agacactcaa gaattgggct gggaagaaac ggtggatgcc gccatttccc 960
acctgttgaa gacttgctg tcgaagagtt ctaaggagca ggctttgaac ctcaacagcc 1020
agctgaacat acccaaagac acaagccaac tgaagaaaca tatcaccttg ctctgcgata 1080
gattatccaa aggtggccgt ctctgcctaa gtaccgatgc agcagcccca cagaccatgg 1140
tcatgccagg tggttgtact acaatcccag agtcagacct agaagaaaga tcagtagaac 1200
aagactctac agaactgttt accaaccaca gacatctcac tgcagagaca cccaggcctg 1260
aagtttcacc cctccaagga gtctcggaat aattcaagta gagttgtttg gttgagagga 1320
acatcccat ctcaaggccg aacctgtgtg aacctcatgc caagcacaga tatagggtcg 1380
gcgcaggtgc ttcctaaagc tcaccttcct ggagatgaca tgcataaaaa gaggggttg 1440
gactttttac ttcactagga gaacttgtaa caccatgggg aagtcagctg aaacttgtct 1500
tgttttgcca ggaaaggaag tagttgcctt tggatcca tctgctaata gtcacagaat 1560
acagtgaat gacatagttt tgggttagat tttataatgc aaagattcag atccaaaata 1620
atttcatacc ccattttttc acagaattct tatatagtaa atgtatcaag ttttaataaag 1680
catctcattg tcaaataata tcttggtatt tatttataat tagagggatt tatgagtgat 1740
tgctctacat tatttcttca aaggaaagga aaggaattga agactttgct actctctggt 1800
aagacttgaa tgtgattatt ttataaataa ragaaccact atgaaacttt aaaaaaaaaa 1860
agtcgac                                     1867

```

<210> 1329

<211> 537

831

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<400> 1329

```
ggttaaaata taaccacaat gaatccgaca agtcactgca aggactgtgt gctttatattt 60
gatttgtcat caggaatagg cgatacactg tttggacatc atgaaggaaac aatgcaaaaat 120
ccatcctttt aaaattcatt ttttaagttcc atagaagatc caaaaaacca gactttttaga 180
gtataagcag tcaaaacttaa gaaaatatta tatttactta tgaatagatg ctaagtcaaaa 240
agtaagtccc taataaattt taatgtactg ttgttactta aatgttccta gtcatttggg 300
ctcagtagtt cagtcattta tcataatgtg tatcaagata gttactggat attgaggtat 360
tgtttataac attacaaata gaaaaatcct agtgtttggg ataggaaatt aatcatatct 420
tgtcgatcca aacagtggag tgcttttctg gacattatag atgataatgt aggtatttgt 480
tgatatacag agataccaga aaaaagccca tattttacgat ccaatgccta ttttgta 537
```

<210> 1330

<211> 1351

<212> DNA

<213> Homo sapiens

<400> 1330

```
ctcagactgg tctcaaacac ctggcctcaa gtgatcctcc tgcctcagtc tcccaaagtgc 60
tgtgattaca ggcacaagct actgcaccag gcctctgact acatttctat taatatgggt 120
aggttggagg ttttagtatt tttgtatctc atatttgtat caatatgact ggcttctttg 180
tctgtagtgt gtggtaatat tagttctgta aactgtcagt tgcaaaaaaa aaaaataacct 240
tgaactatag tatatgttga taattagcca taataatttc ttagttaatt tcttataatt 300
aaatttgtca aagaggaaac ttacagttta tatctgatga aatctctaaa aagatgggta 360
aaacattggg aaatgtatgc atgtacttca ctctggtttc ataggggttag caagtgtctt 420
aaaaacatat ataaagaagc acagagattg ttaggagata tttatgctcc cagttttaat 480
aattgggata ctttgtatata cacagaaaga aaaattacta aactcctctt tttttagtca 540
aaattggaaa aaaagtctta attgacagtt actatgcctg tgctacccat agcaagtatt 600
cagtggaaaa tactttacta agtaagtaat ttgaacacag cttaaaatcc atagtatgtt 660
acaattgcta gcctttcaca aagtttgcag tgtcttaatg tagaaggata ctgtgatcta 720
agaattcaca attttaaaaa gtggaaccta aatagggttt cctaattgcc atgaagtatt 780
ttgtatctta gatgaattat atttacaaca ttgtaaatgt cagtgggtga tccaraataa 840
attgtttrrag ttattaraat gtacatttra gtaggtttca gtttgactag aaataattgg 900
caagaaggca agaactagtc ttctagagca gggatcccat ccccagggtc atggactggg 960
actggtccat ggcctgttag aaaccaggcc acacagcagg agatgagtgg aaagcaagtg 1020
aaacttcatg ggtatttaca gcaattcccc gtcgctcgca ttaccacctg agctgtgtct 1080
cctgtgagat cagcagcagc attagattct caaggagcac aaaccctttt ggaactgtgt 1140
gtgagggatc taagtgtgagc atttcttatg agaatctaac acctgatgat ctgttggtgt 1200
ctcccaccac cccagatggg gaccatctag ttgcaggaaa acaagctcag gctcccactg 1260
attctayatt atagttagtt gtgtaattat ttcattatat ataacaatgt aataataata 1320
gaaataaagt acataataaa tgtaaaaaaa a 1351
```

<210> 1331

<211> 1231

832

<212> DNA

<213> Homo sapiens

<400> 1331

```
ctgaacactt gaaacatgat gaaagagcca cagagttggc agaactgttt gaaaatgctg 60
tgcaagcggg cttctctgtc ttctttatgg ccagtaaaat tctccagaag agatttatgg 120
cagcctcact cccagtagtt tctgcattta gtgagataag gaatggattt tcttctgtgt 180
attgctgaca cgaacaggag acggaaatac tgagtagaag agrgcggttc cctgctaagg 240
ccccacctc aagcctggat accgcgggcc ctaaatagaga agaggcggtt ctgtttgggg 300
cccaaaaagt tgccttttga cccaccacgc cccctatcct gccccatat aaaccccaaa 360
ccccaacctc cagagcatac cagcaggtga ggagatacga ggcaagccga ctgacggcaa 420
aacgacgtag cagagaaaga gagaagagga gggacgtctg gacaccgaga gatgtttggc 480
tcggggcagt cagagcggag tccagcccct gggcgggcca actccagggg aagatcacct 540
tcccacttca tccatcccca ccttccagc tccccatcca tcctgctgaa agccatttcc 600
accactcaat aaaacctcgc attcatcctt caagtccgtg tgtgaccgga tttttcctgg 660
attctggaaa agagctcgga atacagaaag ctgtcccctg gtcctttgcc cttgtgaaaa 720
agcagaaggt ccattgagct ggtaaacact ccagctgtct gtggtggcca agctgaaaga 780
gctttgtaac actgggggtg caggcaccca cctctagacg ctaccgcaga gccagagccc 840
aaagccctca ccccggcctc tgcacttgcc catctgcgtg ctccccctct cgcaaggggt 900
ttctgcagag ggggctactg aacaggtgag ccacaccctc gtcgcacgcc ctgcaagggg 960
aatcagggaa ctcttccgtt tcattgcttt gaccacatcc tataaatctt gttctccttg 1020
tctttcagct ccaatttggt tatacattca gtttttactt ttgactttac tcatgattta 1080
ttatagaaag atgtttaaca attttcaagc aaatggaata atttttgctc ctctttcgtt 1140
gttaatttat tattcattgg agttagaaaa ttgttgctaa aataaattct gcattttgaa 1200
atttaaaaaa aaaaaaaaaa aaaaaaaaag g 1231
```

<210> 1332

<211> 1280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

833

<220>
 <221> misc feature
 <222> (133)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (154)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1166)
 <223> n equals a,t,g, or c

<400> 1332
 cacgacaggt ttcccgactg aaaagcggnc agtgagcgca accccantta atgtgagtta 60
 gctcactcat taggcacccc agnctttaca ctttatgctt cccggctcgt atgttgtgtg 120
 naattgtgag cgnataccaa tttcacacag gaancagcta tgaccatgat tacgccaagc 180
 tctaatacga ctactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc 240
 gggctcgaccc acgcgtccgg gaggcagagg ttgcagttag ccgagattgc gccactgcac 300
 tccagcctgg gtaacagagc aagactccat ctcaaaaaaa gaaagaaaga aaaaagaaag 360
 tacaagttta taaagtatta tagtgaaaaa ttcgcattct ggctgatttt aagccattta 420
 aaatttatat aaaacaacct tccataaaaa ttgacaggt gccagatgt tgctttctcc 480
 atttattttt tgtttttttt taatcacagt aggtctgata gagaattgga gctaaattat 540
 aatatttttg ttggtaaagt tgagttatat acttgtagat acaatggaaa tgcttttagt 600
 agtgattatt tagcaatttt tgtttttggt atattaggca tgtttggagg ctttcctatt 660
 ctagcattta aatttaaatt ttattaaaat taaataattt aaatctagca tttaaattta 720
 aataatttaa gtctagcatt tactttttaa taattataat gaagttttga aataactaagt 780
 taatccagac ctttagttgt cccatggtgt taataaagtt gccaaagaag atgtattatg 840
 aacaattcag caataagaca attgtcaaca cagttgagaa taacaatggt aatcgttagt 900
 aatattttaga attggaattt gcctactgaa atagttatag atgattactt gtgatgtgaa 960
 actgaattga gcatgacaac cagacatttc cagttggttt tgtaagtttt gagaatctag 1020
 atactgggtt ttattttttg aaagattagc tctgtttgta agggctgatt ccttgaaaat 1080
 gtaattttcc agaaaaacac cttaaagaaaa taaaacatgg acatgcctag taaaaaaaaa 1140
 aaaaaaaaaa aaaaaggggc ggccgntcta gaggatccaa gcttacgtac gcgtgcatgc 1200
 gacgtcatag ctcttctata gtgtcaccta aattcaattc actggccgtg ttttacaacg 1260
 tgtgactggg aaaaccctgg 1280

<210> 1333
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 1333
 ttggccaaag aggttaaacc cccgggggttc cccgggggaa aaattttccc ccccgggggg 60
 gktyccggaa acccccccaac cgccccggtt yccccggggg ttcccaagtt taaaacccca 120
 aaatttgg 128

<210> 1334
 <211> 438

834

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 1334

```
catgcgcaag gagaagcgcg tgtacagccg cttcgaggtc ttctgcaaga aagaggaggc 60
cagcagccct ggggcagggg aaggcccccgc ggaggagggc accaggggac agcaagggtgg 120
gcaagtctct gcccaanatc ctgggcacgt tcaaaagcaa gaartgatct tctggcctgg 180
caaccargc caggtgcccc catcgctgcc ccggtcatcc agaaccgccg ggaacarara 240
ccctgctcat gtgcttgagc agcggctgtc agccacggcc gcttggggct tggctgagt 300
cgccagacct cggctccact ggaggctcaa catgcagctg ccgtctctgc cccctggcct 360
caccaacagc tgggctgcac ccctcgccac cagtgccttt ctccctcag caccttcac 420
tctgcaccgt cagccttg                                     438
```

<210> 1335

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 1335

```
gctcacttta cctctcagag actacttggt gaatttctgc actggtgtgt attctcttgc 60
ctggcaagtt aatagactaa gtttcacttt gtgtgtgtgt gtgtgcatgt gtgtgtaagc 120
actggtggtc tttgttttat tctttgtttc ttgattcct gtgccacctc cttccccc 180
tctcccaaaa aagacaagac aaaattaagc acaaatcctc acatttktgt gtgtttatca 240
katacactta caactgtgcc cattattatg tcaagttaca taccttgcaa aatatgggtt 300
gtctcctata ctgctggcct gcattctacc ttggaaggca aaaaanaagg 350
```

<210> 1336

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

835

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<400> 1336

```

aaggttttga ctgtgttggg gtggggggtg ggtaagggaa tggtaagac tgagaaagga 60
atgaaatcca ttcaggaaat atcgacaggg ctacacrtga tgtcccaaa ctgctgctat 120
tgaagaactt cccaaaactt ctttaciaaag ccctaaagga aagtttgcat ctatgaaaag 180
ccaatagggt agacatccaa ttgctgcatg gaaattgatg tacattcagg ggacggcaaa 240
aatagctgta aaatagtga aaagagcagt ggttgtgtct ttttctggcc aatgrtttac 300
aaaaggaatc tacttggact tctgtcccgg gggtkgaaat ccttaggggt tkggaaacttg 360
tgggggaaca tttcccaact tggctaaggc aggggttcn ctgggggagg ggaaggntct 420
attctggggg aanttcaccc ccccggcggc accacacttt tcccccggtt gttccccaag 480
ggccccgcag                                     490

```

<210> 1337

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (676)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (734)

<223> n equals a,t,g, or c

<400> 1337

```

atagaattct gatgattatg accttctgat aatgaacact ttttccttta gagtgattta 60
aaaatttctg tatttttgaa atcagtacta attgtcattt ttttctctca cagcttcata 120
ttctccaatt cagcctcatt ctctaataaa acatcagcag attcctcttc attcaccacc 180
ttccaaagtt tcccatcatc agctgatatt acaacagcag caacagcaaa ttcagccaat 240
cacacttcag aattcaactc aagaccacc cccatcccag cactgtatac cactccagaa 300
ccatggcctt cctccagctc ccagtaatgc ccagtcacag cattgttcac cgattcagag 360
tcateccctc cctttaacag tgtctcctaa tcagtcacag tcagcacagc agtctgtagt 420
gggtgtctcct ccaccacctc attcaccaag tcagtcctct actataatta ttcattccaca 480
agcacttatt cagccacacc ctcttgtgtc atcagctctc cagccagggc caaatttgca 540
gcagtccact gctaatacagg tgcaagctac agcacagttg aatcttccat cccatcttcc 600
acttcagct tcccctgttg tacacattgg ccagttcag cagtctgcct tggatatccc 660
aggccagcag attgtntctc catcacacca gcaatattca tccctgcagt cctctccaat 720
cccaattgca agtntccac agatgtcg                                     748

```

<210> 1338

<211> 112

<212> DNA

<213> Homo sapiens

836

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<400> 1338

cctaggcctc ctattttatc tagccacctc tagcctagcc gtttactcar tcctctgac 60
agggtgagca tcaaaactcaa actacgcct gatcggcgca ctgcgagcan ta 112

<210> 1339

<211> 622

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<400> 1339

ncgtcgagga gcctatgaat gcgatatcag cgttatcaga aagscgaaaa aaacttaagt 60
tgaaccatyc taagtcgagg actgtctrct cacccttgcc gacttgacct ctttttcccg 120
gttctctaga gtcagtatac caccagcccg ttctccacc cgcaaggcgt gctttggaag 180
cctgactcta atcgcgctct ccctgccta aaacctgct gtgatttccc attaccctta 240
gtacagagcc acattcctta acgtgtccga cgtgggtccg ccctcccaca cgtctgcagt 300
ttcgttttcc gccagccttg gscttgcttt ctgctcttcg gttcctcaca ccatgattcc 360
tctaggccar gcgtttgcat gcgctgtctc scctgtaaaa ctaacttccc ttcccttggtg 420
ggctcagatc ccggctcagg tagcaggtgt gaggtcaagc agaggaggtg aatcttcttg 480
gagagcaggt agcatagtaa gaagaaagg ccattggtcag aacctggag aacaccggtg 540
attaagaggg aggganggag ggaanggat tanggaagga acagttgata ggaggagaag 600
cagagtgcta tcaacgaaac ct 622

<210> 1340

<211> 624

<212> DNA

<213> Homo sapiens

837

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<400> 1340

```

gtaacaggag gatatcgtaa ttttctactg ttttattcct ctgttagacc gggccttgac 60
atgaatgacg ccgtaagga naaagagatc ttcccaatca gcaatcacccg taaaagcctg 120
ctgtgttccc gttaaaatta ggaaattctc actagatgaa ttgacatggg aggcatttag 180
atttctaata gtcacatagt aattctgcgg aggaattgag tcattcttga tagccatgga 240
attaagcgat gttaattaaa gtgcaaaaaga taacctttct gttcttacta gaatagagta 300
ataaaaagaa cctagggtttt cttttgtttg ctggaagaaa aatcaaaaatt ctttagttct 360
gtcaaaccag aactcttgaa agcactttga acaatgcctg gaaaataaca ggtactctgt 420
aaatgtttac cttctctgca agtgcctgcc acgtgcccga agaaaagaca cattaaaaag 480
ttaagtgaca ccagtcctga ttttatatat tttatatacc taacaacgta tatgttagta 540
tgtagaaaatt atatccttga cctttttccc tacctattac gaactgtact tttattaaaa 600
gctgccactt aaaaataata aata                                     624

```

<210> 1341

<211> 962

<212> DNA

<213> Homo sapiens

<400> 1341

```

tattcattct tttggtcacc tagggatctt ctaagtgtga tattactttc agagaattca 60
gacaagtgag aaacaataat gtaggagtca gcaaagcaga attcagagac ttcagccaat 120
cactgctgct ctgagaggat ccagttagag actcagtatc agcggtcaga acttatctca 180
ctcctgtgaa ctttcaggct ggacttaaag ctgccaaagt tcccctgcag gaaggaaaca 240
ctgcytcctt tcagcaggta gctcattrga aagccaamca ggcaaacgat cctggcctct 300
cccgccagct gaccgctctt cagcatccat gcggtttgta gtcgtgactt tctcagtcac 360
gatcaagggt gattttttct taaatatcaa gctgttcttt gaacagggaa tgaacatgag 420
tttttgtaac gtgactgaag ttgagtttaa gtaggaagcg caggaagtcc ccaagtgtcca 480
ggtgtgtgta gctcagagtt cctttttacag tgaggtgtct ctcactgggg gagcttccak 540
gatcctgagc agactggaca caatcatctc tcccttcctc tatgtcaagc actgttacaa 600
aagactgtga gcaaatcttc atctaaatat taataattct gaagaagagg caaaactgtt 660
gaatgcaagc gatacctatt gttgaagaaa cccacaaatt tctgattcta agatcagggg 720
atacaacaaa atctacaagt catttcaaat agcacacagg aatcaaaact tggtaaatca 780
tttctgaggc acaattaaat atattgtagc actatgttaa ttaattatat taaatgtcga 840
ttcatcttga atgtattctc aattgcctac caaaaattgg tatgattatc atttctgggt 900
ctactgattt ttcatcatgg caacagaaat tgtcattaaa tagaattaag atacaaaaaa 960
aa                                     962

```

<210> 1342

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (234)

838

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<400> 1342

```

agcgttggtta gtgcatgaag acaagctgcc agaggggtttt ggttgtatgt tacacagtgt 60
gactagtgtcc tatctaaaaa ttagtgtact gtatttagct ctttatttaa aagtgaacac 120
taatttaact tatctaaaaa tattttaata gttcagacta ataatcatgg attttatggg 180
gattttgaaa gctttgtgtc aagaccatat ttttaacaat atcagaagct ttnnantaag 240
gtgcttggtg ctgagctaata ga                                     262

```

<210> 1343

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1343

```

cggacctggg ggcgcctttgt ctaacagatc tcgggtttcct aaaaaactaa accgcctggg 60
gctgtcgtcc cagagcccg cagttaggac catgcgggaa gtgtcctggg gcatatagtc 120
atactgatga ggtgaaagat acacctcgga accaagggcc accctctact tttaaggaca 180
atggcgccgg gaccaagaaa ctacacttcc cagaaaaccg tgccggcgtg gcaaactctt 240
ctgggtctag cgtgcgctca cactaatgtt tatctcccg gacgtgggca gaccttgtac 300
caggcgagct ctgcctttg ctagcaaaag agctcctctc ttcccaaacc ctgtactac 360
gctgtccacc ctgtatggtc tttgaggtct ttgaggtttt tttggaattc acttgctgga 420
gactacagct cacagaacgc cctgggctgg attgtgccag ctgtagttcg cgaaccaagg 480
acatttcctg gaaatgcatg cggccacgta tctgtgacag aaatggcagt tctcacgtgc 540
gttacgcccc ctggaaggac ttggaatac ggaacttgag tgagcactga gaggacacag 600
accctcatcc tgggaggagt cactcctccc gcagccatca gagcctgaca accgcttctc 660
accagaggcg cttcttagac cctgaccttg cccggctcac ccaaaggggc aatggccttc 720
tttgtatgca agccagacag tctactgttg tatatttgaa ttttttactt tatttttaat 780
attttaatta aattttaatt taatgctgaa aaaaaaaaaa aaaaaaaaaa ggg          833

```

<210> 1344

<211> 446

<212> DNA

<213> Homo sapiens

<400> 1344

```

tgagagtctg acatgcatat cataatttta tgtcagggtat tatagatatt ttgaaatggg 60
gactgactct tttgaaattt taagttcttt agaattgtgac gctttttaata tagcctctgg 120
tttttagatgg agaaacacta tgctattgtc attaaaaatt aattctattt ccccaattgt 180
ctaataatatg tcttaaaaga tctttcatat tgtgaaacat cagaggggtac aacctttggt 240
cttcagttta ggtattaaag agcacacaga atactgtgtg attaaacatg taaggccaga 300
taatgcattt gcaaagggtc ctttatttta ggtttaagcc tgcataattg tggctctaat 360
ctcaggatag caagaaagag aattgtacat gaaagtattt acacaaagtt cccaaagccc 420
tgtggattat gcattagttt agataa                                     446

```

<210> 1345

839

<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 1345
aattcggcac gagcagacct ggattgactg aggtgaaggg gtccttgca gcaatcacac 60
agaaggctcg ggtcttaaga ttggccctgc tcctagtcaa gctgtatgaa ccagggtagt 120
cactccggct ttcagggcct tgatttcctt gtctgtaaaa gggactttac gatgcatctg 180
gcaacctcac cttcctcact gggcaatktg aagaccaaata gccggcaatg aaattcccag 240
cattaggttt gtcatatagt agtcctctct aagcatttgt tgaatactca caggacant 300
taggccagtc agcattattg aaataacagg tgggggtttt tttanttggt ttgttctttt 360
ncgaat 366

<210> 1346
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 1346
ggcaagggaa cccaagctg cagaagctga aaggcgggtga ggaggggcct gttctgatgg 60
cagaggccgt gaagaaggtc aatcgtggca atggcaagac ttcttctcgg attctcctcc 120
tgaccaaggg ccatgtgatt ctyacagaca ccaagaagtc ccaggccaaa attgtcattg 180
ggctasacaa tgtggctggg gtgtcagtc cagcctcaa ggatgggctc tttagcttgc 240
atctgagtga katgtcatcg gtgggtcca agggggactt cctgctgggc aagcgagcat 300
gtgattgaac tgctgaccaa aatgtaccgc ggctgtgctn gatgccacgc agakgcagct 360
tacagtcacc gtgactgaga arttctcart gaggttcaag agaacagtgt tggcttgctc 420

840

aaggnc

426

<210> 1347

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<400> 1347

```

gggcatcact ggtctcgcgt gcgcgtgacc aggncccgggt ttccggtgcc aggacctttc 60
cgaagcgctg agtggcctaa cggtcacagc tgtcgcccac cggagaggca ggactactgc 120
gagcagtttt accgcgacct ccggagccgg cgtgacaggc tctgtcayta aaataggtct 180
gtccagtcgt actttttcct caccttgaac ttcccgtcac gggaatacac gatttggtt 240
agggggccggg gctctcctga ggagagaggg tttgctttgc ggggaagagc gagtcttgac 300
ttcgcagcct ccaatttcag ccgcggtgtg gaggggggtg ctttggggtg tccccacagc 360
ctttccggag tgcccgcgcg tgragcttt tgagatttga caatttgtga rgtgcttggt 420
gctgactttc ggggacgaca ggatcctttt acagtcattc tcctgtcagg graggcargt 480
ggggagcgag gaagatcaga wtcgtaacag acttgagtta aagaattgac aaactcccga 540
gntgatttcc tgtcanacct tttgcgg 567

```

<210> 1348

<211> 582

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<400> 1348

```

ccacctggag ctgcttctg agttggcaca ctatcgtgta cacagcagtc ttcagcccc 60

```

842

```
actccctccc agcactgagc cccagcttct gtgttcccct ctccaaaggc agtgggttgtt 240
attagttact tgcatactct gttggatatg tgttttctat cagggataaa ctatacagat 300
atgcayttac aaacatatca tattatttat ccttgacaga aaacacaagt gaagtttagc 360
cgacgatata cattgtccta caccttgtat tttagatcta acattgcctt ctagagggtca 420
acagtacaca tgaaartgcc tacgtctttt cattagctgg acagcatgct gttacatgta 480
tangttaata tccgaacctc agtctaacca tacctactgg gncttta 527
```

<210> 1351

<211> 636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

<400> 1351

```
aaaactggag ctccaccgag gtggcgggcg ctctagaact agtggatccc ccgggctgca 60
ggaattcggc acgagtaaga agagctgggt gtgagaaatt agagataata cggaatctta 120
ttaatttggg gtcacgatat atagtaattt ttcactaatt tctgacccaa ggaaaataag 180
caattagtag taactacat gctgtgtttg gctctagagg gcattttaat ataaaaattg 240
ggtaatntta tgtatgttgt acaaataagt ttcattttac aaatgagttt tgccaaatat 300
tttacacact tctagtatcc ataccaaatc tttttaatga gctctaaatt ataaaagtac 360
aaaaagccac tgggaattgag aggatgtttg caaagaagga aatcctgtgg tataaatgac 420
ccaaatttat agtattttca ccatactgta actagattga aggatttttc tattgcattt 480
tgtaatttgg ggaaaacctg tttattttct ctgtcagact tctcttaatc ggaaatattt 540
atagtaaaat gtacacaaaa agtacttttt acattatagg tcatttttaa gttaacagta 600
ttgaaatatt taanatatag gcgaggcatt cactga 636
```

<210> 1352

<211> 554

<212> DNA

<213> Homo sapiens

<400> 1352

```
ccatagtaac tttatttttt ataatagaat tttctatttt tgaccaaaaca taaaatattt 60
ggatatgggc caggcatgat ggctcatgcc tgtattccca gcactttgga aggccaaagc 120
aggagactcg gttgaggcca gtagtttgag accagcctgg acaacatagt aagattcatc 180
tctacaaaaa aaaaaattag ccggatgtga tggcacatgc ctgtaatccc agcacttttg 240
gagtctgagg caggaggatc ccttgagtcc aggagtttga ggcttccatg agctrtaatc 300
acaccactgc accccagcct gcttgacaga gtgaaaccct gtctctaaaa agtctgaata 360
tgaaaattat attggcagca tactcagaca taaactccaa agttgtctct acactgattt 420
cacatctgca taattttctg cataccagc aggtgaattt tcagtttttc tgggagacaa 480
ttttgaagag atggtgaaat agaatgggaa gttaaggagg ggaggtaaaa tgtttttaaa 540
gagaagaaca aaaa 554
```


843

<210> 1353
 <211> 683
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (672)
 <223> n equals a,t,g, or c

<400> 1353
 atagccaatt ctaagggatg tacttctgtt attatcaaca aaaaccttgc caacagctgc 60
 ggcactggct actctcacct tatatgttta gttcccaaga tagcttgccc ttttccgaac 120
 agcagtcagc tcgactgtgc cactaaaaca gacaaatatt tgctcgggaa tcacaaccac 180
 ggggacttgc tccccagtt aggaccatgg tacatatatt tgtgtatatt atgggtgttac 240
 atgcagatta atactttcaa ttaatcctcc tagttgcctg taacgttaac atttcaagat 300
 gcatttagat atttttatcc tgtaggagga ttttgtttat ttgagggaaa aaaagggtt 360
 ttaatgtatt ctctcaaaa accatttaga gaaaacagat aagtaaaaat aaratttaaa 420
 ttaccatatt tctatttaca gggatgagca cattaacatt ttatgtattt agtgatcctt 480
 tttcctcatg tgtacacata tgtttttggt tgtagtctt gcttgccctc cccatagtct 540
 gaaatagktc tatgragttt atattawttt taaacytgat catatmcaaa ttttcaggga 600
 aacaaaccac tctagctatt tggaggaggg aatgcagggt tatattgggg gagttttgga 660
 aactaccatg gnttccttac caa 683

<210> 1354
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (399)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (424)
 <223> n equals a,t,g, or c

<400> 1354
 ttgctgattt ttgactttgc ttgtagctgc tccccgaact cgccgtctts ctgtrgcgg 60
 ccggcactgt agattaacag gaaacttcca agatggaaac tttgtctttc cccagatata 120
 atgtagctga gattgtgatt catattcgca ataagatctt aacaggagct gatggtaaaa 180
 acctcaccaa gaatgatctt tatccaaatc caaagcctga agtcttgac atgatctaca 240
 tgagagcctt acaaatagta tatggaattc gactggaaca tttttacatg atgccagtga 300
 actctgaagt catgtatcca catttaatgg gaaggsttct taccattcag gcaatttagt 360
 tacttcatct gtggagtaaa ggagtggatt ttattgtcnt tcgtcttaca ttcgtattta 420
 tatnacataa gttt 434

<210> 1355

844

<211> 433

<212> DNA

<213> Homo sapiens

<400> 1355

```

gcgatagtgg gagtggttaa gaagacagac taacagacac ctgttacttt ggtgtctgca 60
tttttagtagc tttcttttaa gcagttgtaa actgtgctag ggcattgtgt ttatctttgt 120
cttgacacctc atctcttccct tgaccacactt gttatatgta tgaccacctt taagaatttt 180
aattttgtgt gctgcctccg tctactgctgt gaacacccac atggagtcag gcacccaccc 240
accctggcac ctgctagcac cctgctgcac ctaacaagtg tataccctgc tgcattgctg 300
ctgcttctgg tatgtgtgaa tgargacaat cttgttgctg tcacttacaa atgctttatc 360
tggcaccacc catcggtgtw tartgamtgg tggkctgara rtaccttagc cccaaccccc 420
scccacacca gtg                                     433

```

<210> 1356

<211> 632

<212> DNA

<213> Homo sapiens

<400> 1356

```

tttttttttt tttttttttt ttggataggg tcttctcgtc ttgctgtttt tcctttttat 60
atwttaacat twctttgttt gtawatcmag ttgtwcwtaa aatatcttcc araaacattt 120
cttttacttc aaatggctwt ccctgtatat atatcamtgg acaacttcca aaatatctta 180
taaagagatt tacatcmaag gcagcactag aaagaattag tttcaaagtt ggggtgctttt 240
gcaacaaatc tcttaacttt gtaagtaaaa aatcactaaa tcgatccctt tcatgcactt 300
catccacgat aacatgtgtc acagtcgaca acgtactatc tcctgccatc aatgtacgaa 360
gcaatacccc attagtacaa aatgtcagaa gtgtytttgg agaaaccctg ctttctaatac 420
ggatctgata accaattgtt tgaccaatcc tttcccgctc ctctgcggca actctttcag 480
ccacagcgat agctgccaat cgtcttggtt gagtacaaaa tatacggcag gggataccat 540
ttttaagca atcatctaaa aggaactgag gaatctgtgt ggtctttcca gaccagttt 600
ctcctacaat caaaactact ttattttcct ta                                     632

```

<210> 1357

<211> 968

<212> DNA

<213> Homo sapiens

<400> 1357

```

ccctggcccc ccccccccca gtacagggaa cgtgctttac catcgtttcc ggcgctggac 60
ggccgtcact gtttccggac cccgcaattt ggggtagtgt tgttgcgcat gctgtectcc 120
ccaaagcagg aatgaacacc cccttaacgg cgggcaaaaa accgagggga acccgactg 180
gccaagaatc ctgagkagtc cgctacattg ccaamgykct cgctgccaka cgaaagcgag 240
scgtctgcag cgagtgaag ttcgccgcct gtgtgggtga ccgcctgtgc ctcatggcct 300
tctcggtctt caccatcatc tgcaccatcg gcctcctgat gtcggctccc aacttcgtgg 360
aggccgtgtc caaagacttt gcgtaaccac gcctggttct gtacatgtgr aaaactcaca 420
gatgggcaag gcctttggct tggcgagatt tgggggtgct aatccaggac agcattacac 480
gccacaactc cagtgttccc ttctggctgt cagtctgtgt gcttacgggt tctttgttac 540
tttaggtagt agaatctcag cactttgttt catattctca gatgggctga tagatatacct 600
tggcacatcc gtaccatcgg tcagcagggc cactgagtag tcattttgcc cattagccca 660
ctgcctggaa agccttcgga gagtcccca tggctcctca ccaccgagac agttgggttt 720
gcatgtctgc atgaaggtct acctgaaaat tcaacatttg ctttttgctt gtgtacaaac 780

```

845

ccagattgaa gctaaaaataa accagactca ctaaatcctt tccaataatt gactgggtgga 840
 agggaaacaa aaaacaaaaa ctaaaacct cttagctttt ctgcaattca actttttatt 900
 tttattttta tttctatcaa agacggtaga gagaaacagc ttgatgctgt ttctacatta 960
 aaaaaaaa 968

<210> 1358
 <211> 718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (678)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (692)
 <223> n equals a,t,g, or c

<400> 1358
 cacaaaaaaa agtacattgc tgattccatt tcagcatcac tcaattacca ttctctaact 60
 gtctctgatt tgtctttacc aaaagccaca tctggcataa ttggcaaaag actttttttt 120
 tttcccacc attccaatga acacaaaaat gacattctca acatcaaatac aaatgatcac 180
 atttttattc atattttact ccaactgaaa tgaaggatat aactaatttg tccatttttc 240
 tttaagcaca tatctgtatt cattttgata acccagcact cttgattgtt cccttactga 300
 atgtttgtct cttagtatcc tttgccatt ctactccttt aaaaaaactg ttgcagtaac 360
 caaagagtta tttttgattc cacgtctttg tcaaactaaa gtcagctctt tgaggcttct 420
 ggattttgat attaaatatg tgtttagcag ttcaaatttt atatatgtat attctagctc 480
 agatccagaa atctatttcc ttcttatcat tctcacttgg attcctcaag caatttaaca 540
 tgctctaaat atttcttcca tgtttattta ggtttcaact ctacatacag aatagactaa 600
 ttaataatt ttataacaatc cttggccttt acttttatatg atcttctaca tccaatagaa 660
 ggttggtcaa gtaaaccnta aaaacctatc gnacactttt taatctctga attttcat 718

<210> 1359
 <211> 1628
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (9)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

846

<222> (1600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1614)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1623)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1625)
<223> n equals a,t,g, or c

<400> 1359
ccnggaatnc cgggtcgacc cacgcgtccg gcgcgctgcc agcagccagg agccaggagc 60
caagagcaga gcgccagcat gaacttgagg gtcagcatgc tgaggatcct cttcctcctg 120
gatgtaggag gagctcaagt gctggcaaca ggcaagaccc ctggggctga aattgatttc 180
aagtacgccc tcatcgggac tgctgtgggt gtcgccatat ctgctggctt cctggccctg 240
aagatctgca tgatcaggag gcacttatct gacgacgact cttccgacct gaaaagcaca 300
cctggggggc tcaagtacac catcccgtca aagaagagag cccaaggcg aaaccacaat 360
ttctccaaaa gagatgcaca ggtgattgag ctgtagggtga gcagtgcagt gaagaggggt 420
tctagccccg tggaaaacag cccatgggta acatctcagg atgtyctgca ttcaaaccac 480
caaggctggt aatgaacttt cacatggact gaattattgga ggcaaataat agaaggaata 540
gaatatacag tgccctctgt ctgaaggaaa atatcatgcc tcttctggaa gaaacggact 600
gcacagagga aggattgagc aatttagcct gcagtggagg aagggtggaca ccaaaagctt 660
caccctgtgt tggagctggt catgcttcca tgaggccatg gtgtccatgt ccgtggaacc 720
taccacagaa aatggctcat gaaaagggga atccgaccca acacacagct tcctacactg 780
ccatcttatc aacagttagg cactactttg tagaacgatt agcttcaccc tcttagctgc 840
caggagatcc cttcttaaag atggactatg tgaagattcg ggagtcctga aacatgggga 900
ctccgggatg gtctctagcc ctatcgatga tgaacactgg ccttctggag gggaaatggc 960
agtctgggct ggcgtggtag gaagggcttt ggtgttcatg gaatgggcct gctgctctca 1020
gaccttcaaa ggatggaacc aacgaaggac caaatgagaa agcagatgct gtgccttgca 1080
gagggccatg aatgtcagtt attatttttc tcctataca attattttgt ggttattatt 1140
acaatgtaca tggctgttgc atagaagaca tgactggtgg aggctgagga aagccatgac 1200
attctacaat tgccatcagg ctaaggcccc gtgagcattt ctctcccttg taatattaac 1260
cctgtatttc tgggatcaca tcacggaata ttctttgcct ttccactttc caggaaatct 1320
ctcggactgg gctaccctcc ttgtgtgtga tgaaagatga gctatatattc agaacaaagt 1380
gctgtgttgt catratctgc ctggactccc agggcgtctc ttaccaact tgataacgat 1440
gctgttcatt agcagccttt gttaactgat aaccaagagc ggtaattgtga tactcataag 1500
caattttctg tgtgtaggat aaaataaacc atcttgatg ggatctgcta aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaagg gcggccgctc tgagaggatn ccaggcttta cgtnacgccg 1620
tgnncgcg 1628

<210> 1360
<211> 1297
<212> DNA

847

<213> Homo sapiens

<220>

<221> misc feature

<222> (1280)

<223> n equals a,t,g, or c

<400> 1360

```
gccacgcgt cgcactccg ctcggtcac catgtgtcac tctcgagct gccacccgac 60
catgaccatc ctgcaggccc cgaccccggc cccctccacc atcccgggac cccggcgggg 120
ctccggctct gagatcttca ctttcgaccc tctcccgag cccgcagcgg cccctgccgg 180
gcgccccagc gcctctcgcg ggcaccgaaa gcgcagccgc agggttctct accctcgagt 240
ggtcggcgcg cagctgccag tcgaggaacc gaaccagcc aaaaggcttc tctttctgct 300
gctcaccatc gtcttctgcc agatcctgat ggctgaagag ggtgtgccgg cggccctgcc 360
tccagaggac gcccctaacg ccgcatecct ggcgcccacc cctgtgtccc cgtcctcga 420
gccctttaat ctgacttcgg agccctcgga ctacgctctg gacctcagca ctttctcca 480
gcaacacccg gccgccttct aactgtgact ccccgactc cccaaaaaga atccgaaaaa 540
ccacaaagaa acaccaggcg tacctggtgc gcgagagcgt atccccaact gggacttcgg 600
aggcaacttg aactcagaac actacagcgg agacgccacc cgggtgcttg ggcgggaccg 660
aggcgcacag agaccgaggc gcatagagac cgaggcacag cccagctggg gctaggcccg 720
gtgggaagga gagcgtcggt aatttatctt ttattgctcc taattaatat ttatatgtat 780
ttatgtacgt cctcctaggt gatggagatg tgtacgtaat atttatttta acttatgcaa 840
gggtgtgaga tgttccccct gctgtaaatg cagggtctctt ggtatttatt gagctttgtg 900
ggactggtgg aagcaggaca cctggaactg cggcaaagta ggagaagaaa tggggaggac 960
tcgggtgggg gaggacgtcc cggctgggat gaagtctggt ggtgggtcgt aagtttagga 1020
ggtgactgca tctccagca tctcaactcc gtctgtctac tgtgtgagac ttcggcgggac 1080
cattaggaat gagatccgtg agatccttcc atcttcttga agtcgccttt agggtggtcg 1140
cgaggtagag ggttgggggt tgggtgggtg tcacggagcg actgtcgaga tcgcctagta 1200
tgttctgtga acacaaataa aattgattta ctgtctgcaa aaaaaaaaaa aaaaaaaaaa 1260
aaacycgggg ggggcccggg acccaaatcc ccccaaa 1297
```

<210> 1361

<211> 2704

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1438)

<223> n equals a,t,g, or c

<400> 1361

```
gggccatcct ggcggtcaaa tccacgcggc agaagcagca gcacctggtc cagcagcagc 60
ccccctcgca gccgcagccg cagccgcagc tccagcccca accccagcct cagcctcagc 120
cgcaacccca gcccgaatca caacccagc ctcagcccca acccaagcct cagccccagc 180
agctccaccc gtatccgcat ccacatccac atccacactc tcacctcac tcgcaccac 240
accctcaccg gcacccgcat ccgcaccaa taccgcacc acaccacag ccgcactcgc 300
agccgcacgg gcaccggctt ctccgcagca cctccaactc tgctgaaag gggcagctcc 360
cgggcaagac aagggttttg ggacttgagg aagtgggacg agcacatttc tattgtcttc 420
acttgatca aaagcaaac agtctctccg ccccgcacca gatcaagtag tttggacatc 480
accctactga aaacttgcca ttcttcttag ttttctgcat acttttcac acgatgcagg 540
```

849

```

ttcttttgtc accttgactt tgggacactg ttaccaaaccc tcgtgggaaa tatcaagttc 480
cagaagattg aatacatgca ggaaacaaat gttttttggg ccctagagtg aacatttggg 540
ccatatgaaa atgaccagga agacaattag gtgaagggtt tttaatgatt tgtgctacgt 600
cagtctcttc ccataagaca tattcaaagt tttaactttt ccttaagagg cttccatggg 660
gagcaagcat ttgataatcc atcctttaag aaaaacacca ccgtacactg cttgaagagt 720
tcctcttcta ttacttaaaa cgtttttatt gtgcaacatt taaggcatac aaaaacatat 780
aaagaatacc atgatgaaaa tctatgactg tattaccaag ctttaagaaat aaaacagttg 840
agtgatctct catttatgac taaattaact tattaataacc attaaaactt ttggattatt 900
cctgttaaaa 910

```

<210> 1363

<211> 1823

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1729)

<223> n equals a,t,g, or c

<400> 1363

```

ctgcaatgga aacgatgtcg gccaaacana aacaactggg aaaatgggcc cctaactgtg 60
cancaactgt gcgtcacctc ccgcctccca gtcctccgca ggamtcccg cctaccttg 120
tcttcccccc acgactcctc tgctctctcc caaactcctt cccaccacct gcagctcttt 180
gaccaggaca gctccaatgt gttgtcaagt gagtgtcccc agcaggaggc ntggcggttg 240
tgggcagggg gggacgasaa ggggcggggc gtgacctccc tttggcctcg tccccagcgc 300
ttcctccagg atccctactc caccaccttc agcagcttct cccgagtgc caacttcttc 360
cggggtgccc tgcagccaca gcctgaggga gccgcctccg accttcccc gccacccgac 420
gatgagcccg agcctggatt cgaggtcatt tctgtgtgg agctggggcc tcggcaaccg 480
tggaagcggg cctccagtta cagaggagga gtgggcacgc cacgtgggcc ctgaaggctg 540
cctgcagcag gtccttgagc tgaagaaccg gatcttctcg gggggtctga gccccagcct 600

```

850

```

gcggcgcgna ggccctggaag ttccctcctag ggtacctcag ctgggaaggc acagctgagg 660
agcacaaggc ccacatacgc aagaaaacgg atgagtattt ccgcatgaag ctgcagtga 720
aatctgtgag ccctgagcag gagcggagaa actcacttct gcatggatac cgcagcctca 780
tcgaaaggga tgtgagccgc actgacagga ccaacaagtt ctacgagggt cccgagaacc 840
cggggctggg cctgctgaac gatatacctc tcacctactg catgtatcac ttcgacctcg 900
gctacgtcca gggcatgagt gatcttctct ccccgatcct ctacgtcatt cagaacgagg 960
tggatgcttt ctggtgtttc tgtggcttca tggagctcgt gcaagggaac tttgaagaga 1020
gccaggagac catgaagcgg caactcgggc gactgctgct gctcctgagg gtgctggacc 1080
ccctgctctg cgacttcctg gattcccagg actccggctc tctctgcttc tgtttccggg 1140
ggctgctcat ctggttcaag agggaattcc cttcccggga tgccttcgg ctgtgggagg 1200
tgctgtggac agggctccct ggccccaatc tgcacctgct ggtggcctgc gccatcctgg 1260
acatggagag ggacaccctc atgctgtccg gcttcggctc caatgagatc ctcaagcaca 1320
tcaacgagct gactatgaag ctgagcgtgg aggacgtgct gacccgcgcc gaggccctgc 1380
accgccagct aaccgcctgc cccgagctgc cccacaacgt gcaggagatc ctggggctgg 1440
ccccgcccgc agagecccac agccctcgc ccaccgcctc cccgctgcct ctgtcgccca 1500
ccggggcccc gccacccccg ccgcccctca cggacacagc cccgcagccc gacagcagcc 1560
tggagatcct gcccgaggag gaggacgagg gcgccgactc ctaacccgcg caggcagcct 1620
cgttctgcac aggcacttta gcccgagcca ggcacacctg cgagggggca ggtgtgctcc 1680
gccgccctgc tgataagctg gcttcattaa actgacactt ctawgtgna aaaaaaaaaa 1740
aaaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcag ggacgtcata 1800
gatcttgtat ggggtattgg aaa 1823

```

<210> 1364

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 1364

```

aattcccggg caacaatttg aaaaactact cgaagttctg cgtttcagcc ctgaacctga 60
aacataaaat gaatgcaatt gttgttggtta acttgtttat tgcagcttat aatggttaca 120
aataaagcaa tagcatcaca aatttcacaa ataaagcatt tttttcactg cattctagtt 180

```

851

```

gtgggtttgtc caaactcatc aatgtatctt atcatgtctg gatcgatcct gcattaatga 240
atcggccaac ccccggggag aggcgggttg cgtattggct ggcgtaatag cgaagaggcc 300
cgcaccgatc gcccttccca acagttgcgc anctggaatg gcgaatggga cgcgccctgt 360
agcggcgcat taaagcgcgg cgggtgtggt nggttacgcg cggaaccgg taacantggc 420
cagggccnaa ggccccg 437

```

<210> 1365

<211> 523

<212> DNA

<213> Homo sapiens

<400> 1365

```

gggattacag gcgtgagcca ccacgcttgg cctgcccttc taatTTTTtag aagtttTgtgt 60
ttctacctct gaagtgttca tgggagagtg aaggtagaga gtggTccaga gcaggtgggc 120
cccagcacac cctgtgtgtc aactgattcy gagaatcatc aaatagacaa gaattTaaT 180
cttcTgtttc tgtggtcatg attaaggtgc attyTttaaa gactTaaaaa cttactggct 240
ttaggaagga gagttcttat aacctccag cacaaagtga catactTtca ttctctgcta 300
cttctgtgta gtgttgcttc actgttaatg tttgtggctc ttcaagagcc agtctTtagt 360
taatcatatt accataaggc cgtggTtctc aatcggaggt gattTcccca gggggacatt 420
tgggcatgtc ctggaggcat tttggTtgtc acattggcas cccggTgtaa wactacctcy 480
gaccaaaaaa aaaaaaaaaa aaaaaaaaaa gggggcgctc ttg 523

```

<210> 1366

<211> 2155

<212> DNA

<213> Homo sapiens

<400> 1366

```

tgatttgggc ttccactcag agttgagtgg tttatcacag agtgtgttat ggcttagacc 60
aatacaggtc cttctttaat agtggtagct cttttttatc ctgaggatta agccattaca 120
aactcaaTg accagagaat gtaatttctt aataagaatt ttTcctTaaa tctatattca 180
gctctctatt tcagtgtTtc tctcctacca gaggtgcaag gagtgatcct agaaccacag 240
atacagccaa gaccacggag agctTttgac gtcaggggtc cactTtctcc actgaaccct 300
tggagacaga atatccagct tctggagaga gtgggaaagg ataataaaca aattTctTtc 360
aactggtaaa acatcatact tcttcagcaa aaggaattct tctagcagag cttcatgga 420
tgatatctgt cacacatgcc wkacacctgca gtttggaaagg cagtggTgaa tggatccatg 480
caatatgtct agaagacaca aggatgagcc agccacctga tcttgtcatt tataaacttt 540
taagaattac tctggtttac ttttggTctg aaaatggaaa ggcccaaata atgaaataat 600
cttttcagat tggaattTta catggccatg aaaatatttc ttTctattca gaagactgaa 660
atagaggaag cttgagagac tcctTtctTt taaaagcggc tctctgtatc tgtttcattt 720
aaaacatttg tgggrttgaa aatcacctta atgaagtagg caaacatttt tttaagtagt 780
agaggaagtc cagaaaactt aatgaaatgg tttttttgt tgcctgacac tgaaagtaac 840
tagtaaataa aggtgTaaT tcttaattat tcgaaaactg cttTtaatat taggatatac 900
tcttttagct catcttcgct ggtcttgagg cttattataa ttgtcaaTc aacaaagktT 960
ctaatagaga agtagaagaa atatctTttg agatgtaagk agcttggkct gkctTctaaa 1020
gkaatacata cctgktaaTc ytgaggwatt tttttcatac tgaaggcatt ctaaagTttg 1080
gtactgtcac aaaacagtag ttTcacagagc agaagcactt agtattagaa taagcctgta 1140
ggTgtgaagg aataagTgtt gcaaaatagt tatttatcca agctgtcaat taattgattg 1200
aagtagttat caaaatgttt ctgtTtctTt ctttggTatc tattaactgg tcagtcaaaa 1260
gctattaaag aatgtTttta aagtcaccta atgctgccag tttgtTaaat ttggTataca 1320
ttttaagaat agacattcta gagttattaa tatggaagca gctaaaatgt tttaggaaat 1380

```


852

```

ctcaaaagtt ttagaagcca catttgctaa agcataacct gcacttagtc tttcttgget 1440
atctgtattt tttcttcatt aattataaat aaatttttgt taagtatagt attttaaagt 1500
aagtttaaag gttcaawttg aactgaaatt tccccagaga gctttgaatt cccataagtg 1560
attacagctt ttaactccga cttgttttta gtaaagtgtta ataagacaat tggtttacia 1620
acacatataa attaaaaaaa acaactgtcc atcgtttttag gaagaactga aggaactaaa 1680
aatgatattt gcttggaat taagttagtt gaactctttg aaccacagta gaaaccgttt 1740
gtgtggcctg tgagawtata agcttttttgk ttcacrtttg aagatgaaaa gtgatttaat 1800
ctcttaatct catgctttga ttgaatttta gctctgktcc ttaaaatag caaaaggaaa 1860
tgtaagtga tttctagtc cctcatgcca ctacaagcta tttattttaa agtgaaactt 1920
tttgtatatt attgtgaact gatttgttta tttaaacttt tatttttggtg aatttacctt 1980
tgagtttttt tatattttat gtcacaaaat gaagtcctat atttttcagt gtttatgaat 2040
attaatataa actatttttt tctagaatga ctaattgtgt aatatctgta ttatgtgata 2100
atttgaaatc taataaatat tttctccatg aaaaaaaaaa aaaaaaaaaa aaaaa 2155

```

<210> 1367

<211> 1724

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1701)

<223> n equals a,t,g, or c

<400> 1367

```

gcagcctgcc agcgcgcgtg ctgctgctcc tcttgctgtg ggaccgctga ccgcgcggct 60
gctccgctct ccccgctcca agcgccgctc tgggcacccg ccaccagcat ggacgctcgc 120
cgcggtgccgc agaaagatct cagagtaaag aagaacttaa agaaattcag atatgtgaag 180
ttgatttcca tggaaacctc gtcacacctc gatgacagtt gtgacagctt tgcttctgat 240
aattttgcaa acacgagggt gcagtcagtt cgggaagggt gtaggacccg cagccagtgc 300
aggcactctg gacctctcag ggtggcgatg aagtttccag cgcggagtac caggggagca 360
accaacaaaa aagcagagtc ccgccagccc tcagagaatt ctgtgactga ttccaactcc 420
gattcagaag atgaaagtgg aatgaatttt ttggagaaaa gggcttttaa tataaagcaa 480
aacaaagcaa tgcttgcaaa actcatgtct gaattagaaa gcttccctgg ctcgttccgt 540
ggaagacatc cctcccagg ctccgactca caatcaagga gaccgcgaag gcgtacattc 600
ccgggtgttg cttccaggag aaacctgaa cggagagctc gtcctcttac caggtcaagg 660
tcccggatcc tcgggtccct tgacgctcta cccatggagg aggaggagga agaggataag 720
tacatgttgg tgagaaagag gaagaccgtg gatggctaca tgaatgaaga tgacctgccc 780
agaagccgtc gctccagatc atccgtgacc ctccgcata taattcgccc agtggagaa 840
attacagagg aggagttgga gaacgtctgc agcaattctc gagagaagat atataaccgt 900
tcaactgggt ctacttgtca tcaatgccgt cagaagacta ttgataccaa aacaaactgc 960

```

853

agaaaccag actgctgggg cgttcgaggc cagttctgtg gccctgcct tcgaaaccgt 1020
tatggtgaag aggtcagga tgctctgctg gatccgaact ggcattgcc gccttgctga 1080
ggaatctgca actgcagttt ctgccggcag cgagatggac ggtgtgcgac tggggtcctt 1140
gtgtatttag ccaaatatca tggctttggg aatgtgcatg cctacttgaa aagcctgaaa 1200
caggaatttg aaatgcaagc ataatatctg gaaaatttgc tgcctgcctt ctacttctca 1260
aatctttctt gtaaaagttt ccaatttttt cactgaaacc tgagttaaaa atcttgatga 1320
tcagcctggt tcataagaaa ctccaatcaa gttaatctta gcagacatgt gtttctggag 1380
catcacagaa ggtatattgc tagttacact ttgccctcct gcagtttctt ctctgctccc 1440
aaccctcatc tcatagcatc cccctctatt tccaatgctc ctctccaacc gcttagtttc 1500
tgaatttctt ttaattaca gttttatgaa agcatatttt atttacttgg tgttgaaata 1560
gccctyataa aacctaagca cttggaaacn caataatagt attaactaac tagatctatt 1620
gaatttcaga gaagagccta aatagcaaan ttacacaaa aacgagtatg atttagcact 1680
catactagtt gagggtttgg ngccgatagc gactgctaata gaac 1724

<210> 1368

<211> 373

<212> DNA

<213> Homo sapiens

<400> 1368

cccctacttt aaggagtctt agatatgtga gatactacct taccctttca gacagttcca 60
tgtgagtatg ttaaccatac ttcttagtca aaaataaaga gaagcctccg ggtctttgtg 120
ggaacaaagt tacaatttaa ttgaaatcca tactcttctt aagcagcttg gacctactac 180
tgtcccatat gtaagtatgc aaaactacat ttgccaaga attaactcat gagaaccatt 240
gaacttgtat tgaagtcac cttaacagtg gtattgtgct ctgtaaaact ggaatctttt 300
cccacaagat gcatgtaaat aagagatctc aaaaatagaa agactctctt tctcaaagaa 360
tacaacagg tgt 373

<210> 1369

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

854

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (725)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (775)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (797)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (798)

<223> n equals a,t,g, or c

<400> 1369

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naagatgtnn ttaaccctca ctaaaggga caaaagctgg agctccaccg cggtnccggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcaccacttt gtatgtatag 120
tagccttttg cctcatcac aacttagtgt gaggtatgtg ttctgtcct aattctacag 180
agaaggaaat tgaattcag tgagttcatg ttcttacagc tagtgactgg tcgatccasa 240
attagagcac mgttcgtct gactccaaaa cctatatgtg cttttcacta taccacaata 300
acaacgaata tttgttctgt acaattcaca actctttggt ctaccttatt attattatta 360
ttattactac cactacttac atcttcacta gtcagtargt acagccwaga ttatcacgac 420
ccccatttca ctggtaggga aactgagact cggaagcttg cccaagatca cacagctggt 480
aagtggagga gaaccaggac ttcagacaga ctctctgact ccagatcttt tttttctttc 540
catgacatca cattgctgcc ttaattcatt tgcacaatgc atgattgtat ggccagtgtt 600
cactgacacc tttcctacag aagtatcaat gageccaggc attacgtaga gccatgtgga 660
gaagaaaata attcatacct ttcagaggag cttccatttt agtgggggtt gatacaaagc 720
accngaaag taaatgcctt gagaatagtt cacaagttaa gaatttaaaa tatanggccg 780
ttgtttccat aatgaanncc cataaatttg ggccataaaa c 821
```

<210> 1370

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

855

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<400> 1370

```
caataatgta aaatatgaag tgtatgtgta cacacatttt atttttcggg atcttgggta 60
tacgtatggg tgaaaactat actggagtct aaaagtattc taatttataa gaagacattt 120
tggtgatggt tgaaaaatag aaatgtgcta gttttgtttt tatatcatgt cctttgtacg 180
ttgtaatatg agctggcttg gttcagtaaa tgccatcacc atttccattg agaatttaaa 240
actcaccagt gtttaatatg caggcttcca aaggcttatg aaaaaaatca agacccttaa 300
atctagttaa tttgctgcta acatgaaact ctttggttct tttatttttg ccagataatt 360
agacacacat ctaaagctta gtcttaaatg gcttaagtgn aactattccc taantgctgg 420
ntg 423
```

<210> 1371

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (635)

<223> ,n equals a,t,g, or c

<220>

<221> misc feature

<222> (639)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (651)

<223> n equals a,t,g, or c

<400> 1371

```
cgggtcgacc cagcggtccg agcaacagcc gtagcaaaag cagctgctgc tcctgctatg 60
aggggtgtata ttttttttac ccaaagctct ggaattgtac atttattttt taaaactcaa 120
agagggaaaag agccttgat catatgtgaa cattgtatca taggtaatgt tgtacagacc 180
cttttataca gtgatctgtc ttgttcctgc agcaaaaatc ctctatggac ataggagggtg 240
ctgtgtccca tgccctcttg ccctgacagt gtcccatggg ccccttctg ctccctgccc 300
cctccctgct actgctgatg cactctcctc tccctgcagc ccttggett cagccttcc 360
tcctgacccc ttccaacagc cttggaactc cagctgccac caccctctgg gtcggacact 420
gggacccact ggcccagtct tggtgctgctc ttacccttag ccttgatgcc tgcccaggga 480
```

856

```

ccccagccc cctcccggtg ccctgcagct ttaacagagt gaaccatgtg tattgtacag 540
gcgcggttgt cattgcagaa accgctgggt ggagaagaag ccgataaagt ctatgaatca 600
aaaaaaaaaa aaaaaaactc gagggggggc ccggnaccna attcgccna nag 653

```

```

<210> 1372
<211> 907
<212> DNA
<213> Homo sapiens

```

```

<400> 1372
atgttttact gctaccacaa tactgctgct gttgctgctg ctacattaat ttatgttgct 60
atgtcattcc agtgaaaaat ctcaactttc aattatagtg cagatacact atgtaaaatc 120
acatgttttag gttccaagta atatatggcc taaagaaatc ccaaaaatgg taataatccc 180
agtcattgat gccatacact tctaacctgc agcatcccca ctcaagaact gcctgcctat 240
ggtgcctccc actggagcac ttctaccca cagcacctga gctgccactg ccagggcacc 300
tacctatggc cccctgccat cctctacaga gctattgttt tatacatctt acacattaga 360
aaacttagac tcaaagttaa tctcatttgc ctgtgtcaga gccaggattg aaacaccagt 420
ctgtatgact ctataaatca cacccttaac tcagtgaact ccgaaggctt ttgagtgtga 480
atgctgccac atatcctgtt ttctaaaaca ggcttattct gactttcaca gatcacagtg 540
ttctcccagt gtgtgaaagc aagacctgaa ataaactttt atgctgtatg tgctaacatg 600
cttagggctc tatttttcata aaacattaac aatttttaag atgatatacta ataaacagrc 660
cttggtataat tatcttttta agattgccaa atgttttcta atatcttact cattgtacta 720
aaccctaggc ttctgttcat tttaatttta ccataaagggt aaaaacatat atataagtca 780
ataggtaact catttctttc attaaataat caattaaata cgtcatttat gatgtacaag 840
gcattgtata gaacactata ttgccaatca aagtgtctagt aaaaataaaa gtttaaaatg 900
tgaaggc 907

```

```

<210> 1373
<211> 3036
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

```

```

<400> 1373
tatctccttt cgtttaaggs ccataccnat atttccctacc tggagaatgc ctggactgtt 60
ctcenttggt agttcttcaa ggagtgcac acgcggccat ctgggcagca tgcatttctt 120
acctcagtgc agccgttccc cctgagctga ggacatctgc tcagggcatc ctgcagggcc 180

```

857

```

ttcacctggg tttgggaaga ggatgtggtg ccatgatcgg aggcgtgtta gtcaattatt 240
ttggggctgc tgcaaccttc cgaggaattg gcatggcctg cttggtgatc ctactgctct 300
ttgccctgat ccagtggctg gcagtgccag atgaggaaga agacaagaca atgttggcag 360
aaagaattcc tgttccctcc agtcccgttc ctatagcaac catcgacttg gtacagcaac 420
agacagaaga tgtcatgcc a cgattgagc ccagacttcc acccaagaaa actaagcacc 480
aggaagaaca ggaagatgtg aacaaaccag cctggggagt cagctcttct ccctgggtga 540
cctttgncta tgcactctac caaattaaag agatgatgca actcacaaga gacaaccgtg 600
cttctgagat acagccttta caggggacca atgagaatag ggaaaattct cctgctggta 660
gagcccagcc tgtcccatgt gagactcact ctgacccatc tagaaaccag ccatccctg 720
acgcagcagc atctcagacg cagaccagcc ccgctcacc cagtgtggac ccgtgcacag 780
aggagagtga agagcagcag gctcagctgg ccgcgggagg aactgaggg catcctgctc 840
atctcamacc ctgcatggaa tcaggtcct cagccaggac acaggtgag gccccccagc 900
caggatatgc tccccctgga ggagcacagc actgcatatg cttctaaata tctaaactca 960
ttaacatgga aacacacaca caggagctac agtacatatt ggcaggaaaa ggtaaacttt 1020
cgtaatctca ttggaattac aacaggga aa tggagttcaa tgaggacttt cagttctttg 1080
cttggttagg ttaaggatga tagaatttct ctgccagtgc aktaagagtt gaaaccggca 1140
gttactactaa ktaagtggag ggaatgaaag tgtttcgagg tgaatgtgga tataatttcc 1200
ctcttctgat tatttattct tatttggttc ctaacacaaa ctgggaagag atagaattca 1260
tctatacttt cttttttctt ggagagaacc gtttaaaaaa ttacaagata tatttaaaaa 1320
gtaaccagat aaaagtagca catgtgcttt tgttaaaaaa aaagttaaaa gttaaagtta 1380
aaaaatgaag ttaaaagttt catcagaaac tttacatatc tttagcaaat atatttttat 1440
atgtgtatgg catataatgg aaataattct ttgagcaaca gaagctatta ttaactactg 1500
caagctaagc cgagcttaaa aatgcctttt gttttaaatg ggctttgaga aaaaaaacag 1560
aaacaagcga ttatttcaaa tcaaccaacc aactcagtat cctgtgtttt gatagacaag 1620
agtttactaa atatatgtat actgtaaata gcctctctcg ctatttacta tcttatagta 1680
attcaggctc taattagctg agggaaatgaa acacacaaaa atcactgaat tcctaagagt 1740
tccttaaata agcagtacta gttacaaatc acagtataag atttaagtgc ctgggggaag 1800
gatacaattt ttagaaatta catattgggt cagttttgtt ttgtttttgg tgaggaaaag 1860
gtggtaaata ggaaaccatg aatgggaagg atggcaataa gtagcaacta tactttccaa 1920
tgactaaaga aagaaaatct cagtatatct gttctcatga agacacagtc agacactgga 1980
caatgtaatg tatgcaactg caaacgttac aactgcagcc agaacaatgg ctgggtggat 2040
cgcacgtaaa gcttgccact aaaaatcaaa gcagaggtta acaggaaacc tggggggagt 2100
gtggaaaagg gaaaactgtt ttagctgaat aaaggtgaat tatataattt ataatagctg 2160
tggatgagca caggagagag aggaaagaaa agaacagtcg aaatgagcaa ctcaccttac 2220
cctctgaccc tgattagaca ggatcaattg taaagtgagg gcttctccat gacaccatag 2280
ttctgcccaa tactgcattt gggataagaa attctacact tggatgtctc gcttcacaat 2340
aaaacacagc ttaaaaaataa aataactgaa agaaatagaa ttcagcaaat agttattttt 2400
tgcacttgaa ctgaaacgta ctgtactgta aattatgact cattttaagt gacctttaaa 2460
akcagatgta tttattatgc ttgtgtaatt atagaaataa agaaatgggt gacaggctta 2520
acctcaccta tgaatgtaca gtatgtggat ttgtgaaact gactgtagga agtcaaaaaac 2580
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ataaagatgt gaccaaacaa aagtcctata ctctaataaa tgagaccaa ttcaacatgc 2760
ctttgttatg gaacatttac tgtgacagca gaatcgataa tgcagtcatt tccagccttg 2820
tgagctgaca ccttcatggg tttgtggact ttgtgacttt ttcttctgt ccccaaagtg 2880
ccatagtcta ccttaaaaaa tattaaagtg aattcaaatt acattttgat ttgagatttt 2940
gtaaccctc ttgagatccc tcaacacaca caggggtgtc acagagccca ggctggtaat 3000
cactgcctta atgacttact tctactctt tctccc 3036

```

<210> 1374

<211> 2652

858

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (685)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (708)
<223> n'equals a,t,g, or c

<400> 1374
atgatgatct cattaagtag atcaaaactt cttagaattt tcaatttgtg gaagattggt 60
ctgtgtttta aagggaaaat acttgataat tttttcggtc attttgactt tagaacattc 120
caactatatt tgctcataga atacttagtt tattaaccag ttgctctctt gataactaca 180
gatgttggtta aattgtatca gataaacttg atagtcaagc agaagttttt atataaagat 240
atgagcacac atttaaatac acgttatatt aatataaagt gagtatgtaa tcatataatt 300
tgtaaacatg ttctaataac ttaatcatta aagtgttcat gatttttaatt tagactatag 360
aaattatttc ttacagattat ctcagtgtca ctaagctttg tactatacta cgggtgaaggg 420
agcagtagca gtgtcagttc agagaagtta agtacagatg agaaatagtg aaggccacag 480
gaaggacggc aagtatagga tcattttcca ttatggacgt ttccagggaa cagccaggta 540
aaaacaagca atactttaat ctgttttttg tttttttaag gttttaccct tctgtattct 600
cccttttcac taatatattg tctttctaca gaggttggtg gatggatgta tgggaactaa 660
tgctgcagga atgcagggat gaagnaagtt ttaattgact cgagttgnct tttagaaaca 720
ctagaaacat atctgcgaaa acacaggttt tgcactgatt gcaaaaataa agtcctycga 780
gcatacaata tccttatttg tgaacttgct gcagcamaga aaagggctac tgkgctgact 840
ttatgaaggc ttgcgggtgct ktccacatga acgacacata catgtttgct gkgraacaga 900
cttcattgca catcttttgg gtcgtgctga rccagagttc gcaggagggc gaagagaaag 960
gcatgcaaag acaatagata tagctcaaga agaagttctg acctgcttgg gaattcatct 1020
ttatgaaaga ctgcatcgaa tctggcagaa gctacgggca gaagagcaga catggcagat 1080
gcttttctat cttgggtggt atgtttacgc aagagttttg agatgaccgt ggaaaaagta 1140
caggggtatta gcagattgga acaactttgt gaggaatttt cagaagagga acgagtaaga 1200
gaactcaagc aagaaaagaa acgcaaaaaa cggaagaata gacgaaaaaa taagtgtgtg 1260
tgtgatattc ctactccctt acaaacagca gatgaaaagg aagtaagcca agagaaggaa 1320
acagacttca tagaaaatag cagctgcaaa gcctgtggca gcaactgaaga tggtaatact 1380
tgtgtagaag taattgttac caatgaaaat acatcatgta cctgtcctag cagtggcaat 1440
cttttggggt cccctaaaat aaagaaaggc ttatctccac actgtaatgg tagtgattgt 1500
ggatattcat ctagcatgga agggagtga acaggttctc gggaggggtc ggatgttgcc 1560
tgcaactgaag gcatttgtaa tcatgatgaa cacggtgatg actcttgtgt tcatcactgt 1620
gaagacaaag aggatgatgg tgatagttgt gttgaatgtt gggcaaattc tgaagagaac 1680
gacacaaaag gaaaaataa aaagaagaar aagaaaagca agatactgaa atgtgatgaa 1740
catatccaga agcttggag ctgtattaca gatccaggta atcgagagac ctcaggaaat 1800
accatgcaca cagtgtttca ccgtgacaag accaaagata cacatcctga aagctgttgc 1860
agctctgaaa aggggtgggca gccattgcct tgggttgagc ataggaaaaa tgtaccacag 1920
tttgacgaac ctacagaaac gttgttttgt cccgattccg gaaaagggtc caagagctta 1980
gttgaaactc ttgatgagtc tgaatgtact tcagatgagg aaatctttat ctcacaagat 2040
gaaatacagt catttatggc taataaccag tctttctaca gcaatagaga acaataccga 2100
cagcatctga aggagaaatt taataaatac tgccgggtta atgatcacia gaggccatt 2160
tgtagtggct gggtgacaac ggctggagca aattaaataa ataaaatagc tctgtctttc 2220

859

```

aatgaaacac tcacgatgac tactgcgctt tctctttcga aaaactctta atttagtgac 2280
ttatggcaaa attttatctt aaatcaatgt gattctttct tgttttggga gacggtggag 2340
gtatcctcat tagttctttc ttcaggcttg tgtcttttagt tgcgtggctg cgcaggcctg 2400
ccatatgatt taagccatct cttttcatta aatgtttctc ttctgtgag acttactaaa 2460
gcaacttagt ggcaaaaagt aatgttgtac ttataattct gtacagaaat gacaatgagc 2520
tgaatatatg gttttacaaa gtagacatcc acttgcaaaa tgtttggatg taatgttaaa 2580
gcgcaatgtg caaaaatttaa aataaagaat atttattaat acgcacagta aaaaaaaaaa 2640
aaaaaaaaaa aa 2652

```

<210> 1375

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<400> 1375

```

gcaactctgt gggatggaca tgcagccggt tggcatgggt atgaagttca tggaatggaa 60
aaaataccag aagatggacc agcacttata attttttctc atggagctat tcctatagat 120
ttttactatt tcatggctaa aatatttata cacaaaggca gaacttgccg agtagtagct 180
gatcactttg tctttaaaat ccaggggtta gtttattact ggatgtgttt tgtgctctac 240
atggaccaag agaaaaatgt gttgaaattc tgaggagtgg ccacttggtta gntatctcac 300
caggtggant tcnagaagcc ctaatta 327

```

<210> 1376

<211> 1253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

860

<220>

<221> misc feature

<222> (631)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (673)

<223> n equals a,t,g, or c

<400> 1376

```
ggcacgagta agacgaagca gagtagacac acccaatacc tgaaaaatgt tcattgggttt 60
tactagagta ttgaggaggg tcctgctgac accccttggg ctggagaggc ctccctctgaa 120
agggagccct gggaaagggc tgctctcact cttcactcct ttctnctccc tcagatccac 180
ctgttcctca ggtgcctgct cttccccgtn aggggaagccc aggagaccag gcagctgcgc 240
tcttgacagc caggtaccag gtgagctgag gaaccctctg cttttcctca gggactattg 300
ctactgatgg agtgtggcct ctctctcacc ccatctgtag accttgacctg gaattttttt 360
caatagcaga ctccagtttg ggaattgatc ctcttcggag acctggactt cacataaacc 420
aacttcccat ctccccagtg ccatgagcaa actctgtttt ctctttgtcc atggtttgtgt 480
gatgggtgct tattagatgt ttaagggtta tgggctttat tccgtagggt ctaatctgtt 540
ctccctcctc ctcaacgtaa gtacacagtg gataccctct ctatgatctt cattctctgg 600
ccatggtgct acaagtgttc tcattcctca nagcagccag natgtgttat ttcaggagtt 660
tgtgacattc gangatgttg cttgtgcacc ttactcgaga ggaatgggga tacctggacc 720
ctgttcagag ggacctctac agagaagtga tgtagagaa ttatgggaac gtggtctcac 780
tgggcatact tctccgcctt cccaccaccc ggattcatag tgtgaattcc tgcccggccc 840
tgagtcatac ccaggcaagt gctttctctg gagaaacact tgccgtcctt acagcaggaa 900
tctccaagag atggcccaag tatcggttc ccatcgatat tgctcgtecc tgctcgga 960
ctccttttcc acgatttgtga gatattaaaa ttgactgatg gaatagaagc tccccaggat 1020
gccaccactg tgtaaaatcg cagctcctca aattacctct gtttaatttc aaatgttagg 1080
gtccaaggaa gccctctgtt gcaaccagat atgttttgaa cccagttcat tcagaaacca 1140
tggttggtgg tcatcatcta cttgtattgt gaaaaaccag aaattccaaa ttcagctctt 1200
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1253
```

<210> 1377

<211> 671

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

861

<222> (645)

<223> n equals a,t,g, or c

<400> 1377

```
cccacgcgtc cgagaaaggg agaagagtct tgtgggggct gggtaaggga ctcctaaaac 60
aagagtgggc agggacttca cctcttcccg taatggaagc tctgttaaata ttttaattta 120
ggagagtttt tgtgaaaatg actattttgt ttagctcaca tgataacatt tctataataa 180
atcatactca gcgtgcttat gcgcgaagag actgaactga agacgctgca gactcagata 240
gcaaaaataat aagcctactt catgataagg taactattag tcattcnaac tcctatttcc 300
cttaaatata tcttaaatca gttaagggtt ttaatgtttt ttttaaatta atagtaatgt 360
tatgtttgaa aaactggttt gaaataaact ttaaaacctt tagaagttta accacttaag 420
acttttccag tctgcctcgt tatagcaaaa ccaaggaaaa tttcttttct aagctcctat 480
agagaactgg caatgaaact aaaatttaat tgtgtctcca ggtctcttat ttttctgcaa 540
ataataaatt atgtactatg atcattttca gataaatcat catgcatgtt ccaaaatgat 600
tggccaaggt ttatttttaa gaaacattaa tcgtgagtgg maganacatg ctatgggcct 660
tttgggagac a 671
```

<210> 1378

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<400> 1378

```
gttgacattt tcttcacttg aacaaagatg gcagaatccc atttcacatg ttggcaggca 60
tgctatttaa gtgtgctggt gcctctccac agtaggatcc tgctgtgagc cttcccttct 120
catgaggtcc ttcctgggct cccagataaa tgatcatgata aatttgaggat tgtagctaaa 180
gggcagccta atagatttct aatatataat aaatagtagc actagggtcaa aatactgett 240
aggaatcact ttatactcca ggtggcttcc tccattgtcc cctcgccgcc tctgcatttt 300
gatctgaaag ctgcatttca agattacaaa tgagagaaac ctgattctct tctgtgacag 360
gagccaggta ctgcaatggt ttgcaatcca aaacnata attgtcaagc ctcagttcaa 420
gagactttta ctgggatata ggctggatga ctgaaaccta acaggctgga aaggtaatag 480
ttttggggaa tgcncatgac a 501
```

<210> 1379

<211> 962

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (795)

862

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (892)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (922)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (928)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (939)

<223> n equals a,t,g, or c

<400> 1379

```

ggcacaggcg aagaaaggaa aaaaggaact tgtcttctag taattgggta tttgcagact 60
ctgtaagtat atgtactgaa cattaagggt ttatagccct ggggtttggt cctaaatggg 120
ctacaaggag ttttacacaa aacttttgct taatgctttt ttttgtgtgg agaggacca 180
taatccttat aatactctca aagatggctc aggatcccc aaaatgctaa aaatcacggc 240
ctaaaaaatt cctgctacta catggaattt gcttcagtga gagctcgccc ttacctagg 300
atacctctgc ctgctgtgta tcttagtgat ggcaagatca aggttatcaa caacaggcag 360
acaccccgca gtagtttctc tcttagagtt gaatgtctgg cttagtaaaa ttctgtccat 420
tgaaagcctt tctttaaaak gtttgctaca aatgaatgca cagcatgaga tatttaaaat 480
agtatcatat actttaggat caaacaagca aaaaatactc tgatatagta tgtgctacat 540
aagcgttttt gttacgtgct aggcctctca aaatggattt gtagaaaatg acacagaatc 600
acagttcatg ccctagttta cgggtgctctt tttgaccggt gttttggaag agtgatagtt 660
atcctactgt aaatagcttt cctattacaa atagtagtta acatgtcgtg tataaaattt 720
ctgggttttcc aaaaatatct atgaccacaa atcgagaaac gtaatgagtt gtgaccaata 780
gttaatatat tttcnaaatt taaatgtact accggccaca aataactgcg ttttgggatt 840
attaaactat ccacagtaat ttaaagtgga atcatectct tcatttatag cnaaattctc 900
tagggccaaa ggaacatggg antcaggngct ggaattacng gtccgattta cattattttc 960
cg

```

<210> 1380

<211> 2935

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

863

<220>
 <221> misc feature
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (14)
 <223> n equals a,t,g, or c

<400> 1380
 ntacaggnac cggnccggaa ttcccgggtc gaccacgcg tccggcgaga acccgcgccc 60
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 aatgcaggac tggtgactta aggagctgcg aagtctgatt taccggccta ctctcgacct 180
 gccccccacc ccagctcag gggacctttt gtctgaacgc cagagctact gaccaggctcg 240
 gggggccgcg gtggggagtg gaagagccgg tcctgctgtc cgccctcca gccccagggtg 300
 gaaggctcag ttgtcggaaa gacaaaagcg atttcttccc actcctgcag ggccagaagt 360
 tcaggctgcc ccgcctccac tgggggatcg cacctgtgaa ttacctgagg tatgcatttc 420
 ccagaaccgt gggcgtaccc accttggggg gcatgttggg tctgggggga ccacctctcc 480
 ttgcattcag gggctgtgaa gctgagtaat tttcggtcac agggcaggcc cctgttgaaa 540
 tttcatttgt cctgctctgg gcccaaaggt ggtggtggtt tgggtcatca gaggactgcc 600
 tgggacgggt cagcgggcac ggagcgtgt gctggcctgg ctggggatgg ccgcggagggt 660
 gcccttttcc tgggtgctttg tgggtggctgc agaagaccag ttttgttgag aactgctttt 720
 cagcctggaa tcagacatct tccagatggg ttggaccctg tccatgtgta ggctattatc 780
 acacaagag accaataaaa ataaaaaaaa taaaaaaaaa aaagacgaac tattggagggt 840
 ggtggccaat gatgcattta ctgtttgcag gatagttaaa ggtgtttaaa gggtaagggt 900
 tttggtgtaa atgctggatg ggggtgtgtgt gtgtgtggat atagggacct ccctctgtac 960
 tgtgtaatcg gcattaatac ctgactcat atgtatggaa ttttaaattc tcttagccta 1020
 ctgattgggt tggatgagca caccagctgc aggtgtgtgc tgaattgcaa gatggtattt 1080
 ttttttttaa ccaagggatg tctcttgtaa tactaaccgc gtgataatgg gttttcagac 1140
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 aaaaagactt tgctctgccc ttttatattc ctttatgctg caagtgggtga catgttcaga 1260
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 cgttgcatgg aattaaaaga gaaggaaaaa cacaaggatg aagtctttcc gaattcattc 1440
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 gcttgagata aaagaaagtg tgacgtcatg gtcactggta ctcaggcact tcacagtta 1560
 cttgaaagag gctttggaaa atagataaag tgaaagaaga ataaatacat atttttaata 1620
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 taccctgaaa cacagtatca aaagggaac ttaaaacata ctgtttgatt tttttatttc 1740
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 aagttctggc ttcctgcttg aaacccaatt cttatatgaa attttttaaa agcagaaacc 1980
 tagcagccca tctgcttttt ctcttttgtc ggtgtatttg gtaccctcc aatgctggtc 2040
 tttttgtaga aactcagtag agaaagtcta gctaagcagt gttgaaaagc ctgcaagatt 2100
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 caatttctta agcactttga cattttggta gttccacact attgagagaa taatatattt 2280
 attttgtgac attgcagatg ccaaatactg taacctctct rtgataacaa tacttaggtt 2340
 caagatcact gttcaaacc tgtcatgctt taaaactgat gcgagatgat tttgtttttt 2400

864

```

gcataatcaa tacttaagggt tgcaatcaac tgtagtaat tgtgcagtaa agtaaagccc 2460
tgtgggtgtat caactactag ttaagagtct cagttgattt ctgtaatgtt tgaccttaata 2520
atagcccgtt tcgtctctga cccaacagag gaagcacaga tcaaatcacc ttggagtgggt 2580
caccaggggg acagggagcc cccaccaat gtatcaatgg gtgatttatg atgccttctg 2640
ccctttggcg agtgaatggg tttcccatag gggaagtggg cctccctccg tgagctttgg 2700
aaatgttttc taatagacac agggaggcca gttctgtttc agagcaatta tcttcccaaa 2760
ttctctgttc tgggtgttga actgtgtgcc ctggtttctg ttttctttc tactgtgtga 2820
attctctgtc tcatcatcct tctcttttgt ttccatagcc ttttataatg catatatgat 2880
gctgtgaaca gaaataaatt atttatacaa tcaaaaaaaaa aaaaaaaaaa ctoga 2935

```

<210> 1381

<211> 626

<212> DNA

<213> Homo sapiens

<400> 1381

```

gtggagcctt gtaatcccag gtactcggga ggctgaggca ggagaatcgc ttgaacctgg 60
gaggcagagg ttgcagttag ctgagatcat gccattgcac tccagccctg ggcgacagag 120
ggagactttg tctcaataag taaatacata aataaataa ttaattaaaa taaaaaggat 180
ctccagggct gcattgcttc tggaagctct agggcaagct tttccagcct gcggcatacg 240
gccaggactg ctttgaatgt ggcccgacac aaatttgtaa actcttaaaa cattatatat 300
ttttctttta gttcatctgc tgtcgttagt gttattgtat tttatgtgtg gccaagaca 360
gtcgtcttct tccagtgtgg ctccagggag caaaagatcg gaagccctg ctctagggga 420
gtgagttcat tttattgcca tttccagctt ccaaaggctc tctgcattcc ttagctcgtg 480
gcccacatcg tctgtcttca aacctaccag tgtagcatct tccaagcagt ccctcaccac 540
taccctgtcw ccccgccct ctcactcccc ttctgtggcc acgatgcctc agggaaagat 600
ggcatttttag gcagcaggta agaacg 626

```

<210> 1382

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (580)

<223> n equals a,t,g, or c

<400> 1382

```

ctgttttaggt tatagtctat tgatactttt tatatacaat tttataaata taaatattat 60
aattttatat taatggtacc aaaaatacat ttcttaagggt taaaagcatg cacttccatg 120
catacttgct tttggggaga gtggggagaa gacattctaa taatcagttt gtgaaatagc 180
ttctgttggg aaccttttga ggggaataag gaatgggtcat ctaaaatgag agattctgga 240
ttttaatgca gttcaaagtt gagctgtatt tttgtgttg atttatctgg atttttttta 300
aagccttcta aaaccagtg aattcaatac cttaattagt acatactatc ttatgtaatg 360
cataaagcaa tgccagtcac tgagaacatt taaatatatt tatattcctg gagatacaca 420

```

865

ttctcatttt tgttgggtta ttataaatta ttcttctaga tgcattcttt ataactagga 480
tttcattttg tgtgtatagc ttatgtaata aatttttaaag gtgaaaactc tcttaaaaaa 540
aaaaaaaaaa aaagggggggg ccgccccaaag nggcccgaagn tta 583

<210> 1383

<211> 517

<212> DNA

<213> Homo sapiens

<400> 1383

acatatggaa ctcattcattc atttttaaagt atggtggcca ttggcgggtga caaaaggaaa 60
agaagcaaag agactcagtc cataatgctg attagttaga agaaagggtc aggattgaga 120
aagtaccagg aacttttaat tatttaaaag agaattgctga ctgttaattgt tttaaattctt 180
actgttcaaa tgtastaata tgaattttta ccctttgtgc atgaatatts taaacwacta 240
gaagacctcc acaatttagc agttatgaaa gttaaactkt ttattataaa aattctaaac 300
cttactgctc ctttaccagg aacatgacac actatttagc atcagttgca tacctcgcca 360
atagtataat tcaactgtct tgcccgaaaca atcatctcca tctggaagac gtagccttta 420
gaaacacatt tttctattaa tttctctaga acttcttttc ggtataatct gtaagaaatt 480
aaaaatatat atcaacttct ggataaataa aaaaaa 517

<210> 1384

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1216)

<223> n equals a,t,g, or c

<400> 1384

gcgccgcgcg ctcccagct cctcgggctc tgggtcccg cgccccctcg gccgcgagtc 60
ccacgcgcca cccccggcg ccctcgacgg tggatctagc ggccggcgagg agggcggtcc 120
cgcccccggc gaacccagc cccggcccc ggccccgggc ccagcttcg catggatgtg 180
aggttctacc ccgcggcggc cggggaccct gccagcctgg acttcgcgca gtgcctgggg 240
tactacggct acagcaagtt tggaaataat aataactata tgaatatggc tgaggcgaac 300
aatgcgttct tcgtgtccag tgagcagaca ttccacacac caagccttgg ggacgaggaa 360
ttcgaaattc caccaatcac gcctctcca gagtcagacc ctgccctagg catgccgat 420
gtactgctac cttttcaagc cctcagcgat ccattgcctt cccagggaag tgaattcaca 480
ccccagtttc cccctcaaag cctggacctc ccttccatta caatctcaag aaatctcgtg 540
gaacaagatg gcgtgcttca tagcagtggtg ttgcatatgg atcagagcca cacacaagtg 600

866

```

tcccagtacc ggcaggatcc ctcctgatc atgcgggtcca tcgtccacat gaccgatgtg 660
cgcgttcttg ggtcatgcct cctgcccagc tcaccaccat caaccagtct cagctcagcg 720
cccagttggg gttgaatttg ggaggtgcca gtatgcctca cacatctcct tcacctccag 780
caagcaaadc agccactccc tccccctcca gctccatcaa tgaagaggat gctgatgaag 840
ccaacagagc cattggagag aaaagagctg ctccagactc tggcaagaag cccaagactc 900
caaagamaaa gmaamagaaa gatcccaatg agccacagaa gccagtgtca gcataatgcc 960
tgttttttcag agacacacag gctgcaatta aagggtcaaaa cccaatgca acctttggag 1020
aggtctcama aattgtagca tctatgtggg acagccttgg agaagaacaa aagcaggtat 1080
ataaaaggaa aacagaagct gccaaaaaag aatacctgaa ggccctggcg gcatacaggg 1140
ccagnctcgt ttctaaggct gctgctgagt cagcagaagc ccagaccatc cgttctgttc 1200
agcagaccct ggngtngacc aatctaact 1230

```

<210> 1385

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<400> 1385

```

aagcaacgaa atattatgat gttctaaatc ctacctaaat attcttactc ttaaagctat 60
ggtcataaaa cccactggct ttcttcaaaa ggtagattac attattagaa agttgtaaag 120
atatattatc accaaactaa aactttgctt ttgctttatt cagaggaatt taaagataat 180
agacaagaaa tttctattta gggctatgtc cctgtaccac actttagggg atgaaacact 240
gtcatatgtc ctgtcagata actgagttaa acatttctact ttgcagttaa caaacagct 300
agagcctagg tataatgctg tggatgtgtt cttagttttn gctttttccg ttctctcata 360
ataagtgtatc ctgagtatgt ct 382

```

<210> 1386

<211> 1202

<212> DNA

<213> Homo sapiens

<400> 1386

```

gagaactagt ctgaggtttt tttttttttt ttttttttgc tttacattac ttggtatgta 60
aataccttga ttaaaacctt gtaaaccaat ttcaagggtta ctataagttg tatagtacaa 120
gtgtttttta aaaatcttgg ggtgttttta aaaattaaga tatattttgc ccaagaattt 180
ttttaacaag attgctaaaa acatcttatt tagacacttc aatgtaccaa tttataattg 240
gatattcagt ttaaatagta cacagagttg tggcttttat tttcaattaa tttttttcct 300
tgtgggcagt gtgcatggta taataagcct gagcagaggc ttaagttgta tgtgtgcaga 360
gtttgtaaag gaatcaattg gaagatgcag aagaccgagg tttgctttca aggtattttt 420
caggctgtgt gggtaaaatt tgcctcaaatt ttctatcaaa caggaatgta aaatagataa 480
aatcctatgt atttgaattg tcagagctag ggagtgcata tgttttggca atgtattcaa 540
aatgctggcc tgggcaccaaa agagaaaata gcctttttaca gttacatagt aagatgcgat 600
tagtaccac aaattactgt tttctaaaca tttgaagttt tacgattagc tttaaaataa 660
tgattttata aattggtggg cacaataatt ttggtattac tttctctcct tttccactta 720
gcaatatagc caaatgtatt caacataaaa attcataggg tctgaaatc atagctgggc 780
caaatttttt atggcacctt agttttacca taatgggtcat ctattacact cttctgttat 840

```

867

```

aaaatataacc cttatttcctt ttgtttatag tatctttgag gaatgttttt ggaaaagtta 900
atattatattt tatagggaga acactcaata aattatgtta actgtgcccc cgagttaaaa 960
atattatgag tatatgtgaa acctgaacaa ctgaagactt tttttaattg ataaaaatgc 1020
ttagtatgcc tgttttgggc tgccagtaaa ttaagtagct tattgagata actaacagct 1080
aaatatagct gtagtgtttc ctgactgtat attctatgat ttaataaaat tatccagact 1140
agttatattg ccacagtaaa catgtgactg aagtgtcctt catcttaatc tgaaagaggg 1200
ca 1202

```

<210> 1387

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (555)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (559)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<400> 1387

```

gataacctctg tggatagagt atttcaggga aaaagaaagc aggcattggca cccattcgat 60
tttccttgac agcatctgag atccttttgg ggagacgctg aggagtgttt gctgccatgt 120
actcttacag ctctatgctg acactcccat ttgatgtggt ccagaactta gacctcagtc 180
cttgatcag cctgtgtggt cctgcaagca ggggcatctt tctgcatgtg agccagcccc 240
cttcctgttc aagggttctg ctggatctgg gcttttcttg tccttcaett ctgggatgat 300
tcacccca tcttcagta ccctgtaaac cattttaaaa tatttagaaa actatcctcc 360
caaaaatgct ttgaaaatg agagccctct gtccctgcca cttacageta gtctcttttg 420
gataggggtg tatgtggaga gattcatgta agtctcacat gaggacctg tgccctatg 480
tgtactaatg tgtgtactgg gtcagaaggt gccctgggtt cccacagacc ttggtttctt 540
gcctgggtgg gtggnaagna anggaactta nagaa 575

```

<210> 1388

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

868

<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1652)
<223> n equals a,t,g, or c

<400> 1388
atataagcaa cacttcttcg gattgtcggc cctcagagga gagtgagctg ctacacagata 60
ctaccaccaa catcctttcc ggcaccactt ctactgtcga atcagatata ttgacccaaa 120
cagatagaga ggtggctctg cacgaaagga gtagctctgt ttccactatt gacactgccc 180
ggctgattca agctttttggc catgaaagag tatgcttgtc acccagacga attaaattat 240
atagcagcat caccaaccaa cagaggagat accttgagga agcggrcaaa cacagcaaga 300
aagtgtgaa ntacaggtca tcccctagtg acttctgagc acaccagaag gagacacatc 360
caggtagcaa accatgtgat ttctttctgac tctatttctt cttctgccag tagtttctctg 420
agctcaaact ctactttttg caacaagcag aatgtacaca tgtaaaca gggcatacaa 480
gcaggtaact tggagattgt gaacgggtgcc aaaaaacaca ctcgagatgt tgggataact 540
ttcccaactc caagttccag cgaggctaaa ttggaagaga acagtgatgt gacttcttgg 600
tcagaagaaa aacgtgaaga gaaaatgctc tttaccggtt atcctgagga cagaaagtta 660
aaaaagaaca agaagrattc ccatgaagga gtttckkggt ttgttcctgt ggaaaatgtg 720
gagtctagrt caaagaagga aaacgtgcct aacacttgtg gccctggcat ctcctggttt 780
gaaccaataa ccaagaccag accctggagg gagccactgc gggagcagaa ctgtcagggg 840
cagcacctgg acggtcgggg ctacctggca ggcccaggca gagaggctgg cagagacctt 900
ctgaggccat ttgtgagagc aacccttcag gaatcgcttc artttcacag acctgacttc 960
atctcccgtc ctggggagcg gataaagcgc ttgaagttaa tagtccagga gaggaagctg 1020
cagagcatgt tacagaccga gcgggatgca ctattcaaca ttgacagga acggcagggc 1080
caccagaatc gcatgtgccc gctgcccagg agagtcttcc tggctatcca gaagaacaag 1140
cctatcagca agaaggaaat gattcagagg tccaaacgga tttatgagca gcttccagaa 1200
gtacagaaaa agagagaaga agagaagaga aaatcagaat ataagtcata ccggctgcga 1260
gccagctat ataaaaagag agtgaccaat caacttctgg ggagaaaagt tccctgggac 1320
tgacacaagt ttatttttct cagagccttg gaattctatt ttatgaacct agagaagcag 1380
aatccttact tttgtgagtc tggttgaata aagcttattc tttgtccatg tgtattttag 1440
aaatagtaac ttctaaagag tctggaacaa agtgggtgatt aaaattccta atgggttggg 1500
agcaatactt tctgcatagt ggcttgtcc aatggcctgt gtgttacaat gatatgatca 1560
tttctcaaga ataagtcctt ttttgtatgt gtttttatac ttttagaaaa taaaaacttt 1620
agattaaaaa aaaaaaaaaa aaaaaagata tntcgggtcg tcaagggaat tg 1672

<210> 1389
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature

869

<222> (404)

<223> n equals a,t,g, or c

<400> 1389

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ggcccatcct ggggtgaggct ggggctctcc tgggcactgt atgtattctg gatacaggga 60
tactgggctc gctatgtgtg tggarccatc ccttccttgc cccagcccca cctccctctc 120
aaaccctctc tggtctcttc tgagcttcc ttcctgctcc ccagcttgcc cagtgtcag 180
tgccccactt ggctcttttg ctacttcggg tcaggtggaa cctcttgga atgtgaartg 240
ccttacagaa agattgcact tcaagargar argctscagg gaaccatcct aaacccaaaa 300
gcctggaact tactgkgctca ctttactttt gttnacaaagg gtctccttaa tgccctcgaa 360
aaagatcttg ggctgaact tctatcctga aggccacctc tgncaaccc aactccctca 420
actcttaggt gttatctcaa ttggaaaa 448

```

<210> 1390

<211> 882

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (867)

<223> n equals a,t,g, or c

<400> 1390

```

gcttccttgt aggaaatgac cttcactctg ggtttaactg gagtggcatc acctcccagg 60
gagacagtta cttcctggag gargtggtgt ttcctccacc cataggtgcc ctgccccatc 120
ctcatggtgg cagcaaatca gcatgtgctg gggagaccct ggggtagcag ccaactgacct 180
cacacctgga ggaagctgtg tgaccgattc atgagcttat gcctgaagac agagcaagca 240
ctccccgcac cagcagcatg acgttcactt gtwttgwgtt tttcgatctc ttcaacgcct 300
tgacctgccg ctctcagacc aagctgatat ttgagatcgg ctttctcagg aaccacatgt 360
tcctctactc cgtcctgggg tccatcctgg ggcagctggc ggtcatttac atccccccgc 420
tgcagagggg cttccagacg gagaacctgg gagcgcttga tttgctgttt ttaactggat 480
tggcctcatc cgtcttcatt ttgtcagagc tcctcaaact atgtgaaaaa tactgttgca 540
gccccaaagag agtccagatg caccctgaag atgtgtagtg gaccgcactc cgcggcacct 600
tccctaataca tctcgatctg gttgtgactg tggccctgc cgtgtctcct cgtcagggga 660
gacttttagg aggcgcgagc cttccatcac cggatcagtt tttcctctta ggaaagctgc 720
aggaacctcg tgggctccag ggacccaggc ccacatccat ccagcgttcc cgctggctgt 780
gggacagaca gggaggggcc tgtacagaaa caccacactg tttattaaat cacaatgatt 840
tttattaaaa aaaaaaaaaa aaaaaanaaa aagggcggcc gc 882

```

<210> 1391

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

870

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<400> 1391

```
ccaccccagg gtctgggtccc tgacgacgcg cagtgagggc cccgccgcta cccagcagt 60
cgctcccaa gttcgcgga cgcagctgac cggctccctc tggactgggt gacatgactg 120
ctccaagca gtcgtttgta aactgagttt ctgtaaaaca attttatttt tcatatgtga 180
ctgtagcggg gtatgatttg aactttgttt tccgtccccc agcccggtt ctctgtcttc 240
tctgtacag cegntccgtt ttcttacctc gtctccgtca ccgaggccct cagccctgaa 300
cacaaggact gggcagtttc cctattgatt cctgaacctg gaacttaaga catcttccga 360
ggggccccc cttgncacac ctttagctg atcgacttac aaatacctgg gattctntcc 420
ccg 423
```

<210> 1392

<211> 856

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (730)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (747)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (811)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (843)

<223> n equals a,t,g, or c

<400> 1392

```
cccacgcgtc cgcttttttt aatctatgtt attgtgagct tgtgcaatgc aagtggctct 60
```

871

```

tattataata atgaaatagc tactccattt aattctttac atgtccaatg ccagctttct 120
ctccgtttgc ctgttagccg agaaccctgt gcaactctct cctggatgtc atgggaaata 180
tgacaaagag asaacacttg gtcttggcct caaaggactc gtaatacaga agacccgaga 240
aggatgtacc tgcagggtta tctacagsag aaatttaatm aaatacttgg cacatcgag 300
ttacaaagaa agttttcaac gtgggccatt ggccactgca ggtttctttg tgagaaacat 360
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ccatttttcc tccttcttga acaaaacttt tagctcaagg aacactgctt ttgaaggctt 480
gtgtttcatg cagcctgctt ccttagttga tctgttcaca agatcacatc aagtaattty 540
ttccattctg ggaagatggc gaaaacaaac agatactgtc agcagatgtt gatgaaccac 600
ctttccagaa ataaacagtg gcagggaaca gagaaagcct ggagaatccc catcagtcac 660
cagccggaga agaccttttc ctgggctgga gtccttgctg ggggaacgtc tgttctctgc 720
agcctgaagn agctctgggc caggagncag cactcagcaa gtcctaagac caattaccat 780
cctgggtcca ttttgggttt gtaaagtcac ngaatttttc tctccagggc cttagtgtcc 840
gtntgtaaat gtacca 856

```

<210> 1393

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (576)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (606)

<223> n equals a,t,g, or c

<400> 1393

```

gtagtaattg aattattatc agaagtaaat tgacctcaaa aaaagtaatt gggaaaatta 60
agtttatggc actttgtgta ataactgtat tgatgatgaa gagaaggtta gtactgtaat 120
ttgttttgta taagtctagt gcatatttgg attgagtatg tttttaaaaa gccattgaaa 180
accacatttt gtttggtttt agttacagtc tttgactgtc ccaactatta actttattaa 240
ctttattcat acacatagaa atacattaca caagcatcaa acataaacat tcagatcact 300
cacttcatct ttctcctggg cctaaaactg tcagtatatt tgcagttttc tgatatgtgt 360
tgtctgcatt cagaggactg tcaagagtca tagataggca tctgaatgaa gctttgagct 420
tcttaaaatg caaggtgggt gaaacacagg ataccaggaa gagaaaggat attgttcata 480
tagttgtggc agtggccttg agaactgtct tggctagaga tagattagga atctgnatta 540
atcctggaca ttggggttcc tttagtggat cccttnagct ttccctgtcc ggctctacco 600
attagntatc cagcaattta tgggccagtt aggaacctcc a 641

```

<210> 1394

<211> 712

<212> DNA

872

<213> Homo sapiens

<220>

<221> misc feature

<222> (705)

<223> n equals a,t,g, or c

<400> 1394

```

ggtgggtggtt catggatggt gataaggaat taaaatgtac cgtgcgactc tctgtttcag 60
tggtgacttt tacctgttta gtataaatat tcctttgctt ccaaccataa atgtgttctt 120
agaaatgggc ctatagttta gtaacctata gtttggtaat aggcttggtt gttttcagat 180
ggattttggt tctgtgagct aaagctatct tgcattaaag ccttcgtcct cacacattgt 240
tttgacatat ttctagtctt cataaacttt ttaatttag atttttttcc cttcacaagt 300
atacatctgt tttagcaaat agccttatga aggttgtaga tgtattatct tgggcatgcc 360
tggtgatttc tatatttttt ccaattacat ttaaagcttt atgttttagg aatataagta 420
cattttatct ctacttttta ttatatatat ttaattgcac aagtactact gtctagaaaa 480
aaatgggatg ttgctaacac agcattgttg gcttgtaggc agtgctgtcc tgtaaataga 540
ttgaaatgta tttttatcag ctggtatata aatttgagga aagaaaaaaa aaaaaaaa 600
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaanggggg gg 712

```

<210> 1395

<211> 920

<212> DNA

<213> Homo sapiens

<400> 1395

```

aatttttcac ttccagacgg cgatacaggg attccagatg cgctttttacc gttccggtag 60
tgatattcag cgctctgccc atctccttat ttgattcgcc cgccgctaac atggttaaaa 120
tctcccgtcg gcgggcgctt aacgatttga gatctttaat gtccctttcc ggcgtcgctc 180
gccagtctcc aggcagaaac atcatcccca tcgcccgcact atttaccgcc aacgcaaatg 240
tctcgacggt tgaatcacga ggcacaatgg ccagcacatt aaaatggata acttcctgta 300
accaccgttt attgcaatcc gtcgcccgtaa ttaacacctt aacctcagga aattgcacca 360
cgggtttttg cagcaaccag tagcaaaact caccatcctg atcgccatcg agcataacta 420
aggcttcagg gtaactttcc agcttttgcc ataactcgtc tgccctgactg gcccctgaa 480
tactcactcc tggaatacgc tgctgtaaac tgattttcat tccatgaata aatattgact 540
gcctgtcaaa catgactatt tgcataactg aatctccacc tgaatacgtt aaaaagactt 600
aagtagtgga agggatttac ccgcgagaaa aaataagaat tcgccatttg gcggtggcca 660
ttctacagag atgacgtgta gaaaatagtt accgatataa atagttacag ctaaaccgct 720
gaaattacat gtcgagggca ctatttataa caattttgag gatttcctta tattggtggt 780
tagtacgcat gcaattaaaa atgaaattcc gcgaccacaa gccaaaataa caaacggcaa 840
ggagacaaaa ataagcacia atagccaaca cgctcctctg tcaactttaa gggaatcgct 900
gaaaaatacg ctctgtttta

```

<210> 1396

<211> 1101

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

873

<222> (930)

<223> n equals a,t,g, or c

<400> 1396

```
tcgacccacg cgctccgccc cgcgtccgca accccctctt taaaatgcaa aatggccctt 60
ccctaaaata acacacaacc acaaccgcag ctggctctgc acgaaggcca tgctgcagct 120
cttttcttcg gaagtcgatt ttccctccgtg gaatttggct gggcttgtgg tagcgtttga 180
gactctgcaa gagcacgtcc acgccaacca gtctctggtc accgactggc tcgcaaattc 240
cccatttaag gaaaccagca ggcctctgtt atgaaactcg ggaaggaat gtgaattatg 300
ctccatgcgg aggcctctgc tcctgcacgt tttccagcct tttccatggg ccacgggtgga 360
gcatttgggg aaggcctgtg tggattcccc cccaagtcca gactgatgcc cctgatacct 420
tctcaggagg tggcggaggg tctgggctct gtccaggctc ctagggtggg ggacgtgcag 480
gtaaagcaag gcgtctgccg cagacgcggg agccttccct gggctggctg ccagcacctt 540
ggagtccag gctgccagga aaagtccacc cacaccggg ctttgcctgg gaaggggtgag 600
tcatatgat gccgggctcg ggcctcagc agacaccaag tgtgttcca gagcagccgc 660
tcagcgctg taacctggaa caggccagcy tttcggggsc tcagtttct catctgccta 720
atgggaatag caattcccac cttccctgtg ttggttgggt tctactaga tgcacaggag 780
acagcagctt kagagggact gtttggarar ctgttccatg tgacaccct cttaccctgt 840
ccccacgggg ccggaggagc aggggcttgg tgatagcagc tgggcgcagt cagcctctgc 900
agggaagagg gcatgtttgg ttcgagctn ytatgccctc attcttgttg atcttgtcac 960
agcccctctg gaaggtggag atggtactcg ctcaggaacg ataccactca aggaagcatg 1020
gccccctgga tgggtggcc cttggtgcac ctgaggctcc tgaggctgca gagcaccatg 1080
gtgggggagg aggcggctgt g 1101
```

<210> 1397

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 1397

```
ttaggcagaa tgatcacctc cgttgtttca ggtactctgt gtttatttat gcaacagttc 60
atgtaaaatg gagacgaggc cagargawtc cttgagcagm cagagccagt tgggcctcct 120
aagtgcacct aaccttgctt gatttgcaag catgtctgaa actttatttg tgggtatttct 180
tgtaaatgcc tatgttaaag aaacacagaa cttaagctca accaatcaga agcagccaac 240
aaaaacgtaa ttagtaacta ggacttctc atgggataga ccaaataagg caactgtata 300
actgtgtaac tgtataactg taaccaatga aatattatct ttgcttttat ctatttgtcc 360
taaaaagcct cctcctcatg ttctctctgg ggagctccct akccacttct ggmtcactgc 420
tcaaataaac tcytaaatat tttaaaan 448
```

<210> 1398

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1398

```
agatttacct tgagcacttt ccaaattgat actttcaaac ttattttaaa gcagtagaac 60
```

874

```

cttttctatg aaytaawtca catgcaaaac tccaacctgt agtatacata aaatggactt 120
acttattcct ctcacyttct ccagtgcccta ggaatattct tctctgagcc ctaggattga 180
ttctatcaca cagagcaaca ttaatctaaa tggtttagct ccctcttttt tctctaaaaa 240
caatcagcta ataaaaaaaa aatttgaggg cctaaattat ttcaatgggt gtttgaaata 300
ttcagttcag tttgtacctg ttagcagctt ttcagtttg gggagaatta aatactgtgc 360
taagctggtg cttggatata tattacagca tcttggtgtt tatttgacaa acagaatttt 420
ggtgccataa ttttttgaga attagagaag attgtgatgc atatatataa acactatttt 480
taaaaaatat ctaaatatgt ctcacatatt tatataatcc tcaaataac tgtaccattt 540
tagatatttt ttaaacagat taatttgagg aagttttatt cattacctaa ttctgtggca 600
aaaatggtgc ctctgatgtt gtgatatagt attgtcagtg tgtacatata taaaacctgt 660
gtaaacctct gtccttatga accataacaa atgtagcttt ttaaagtcca ttgtattgtt 720
ttttctttca ataaaagagt ataattaatt gtgttggttt tga 763

```

<210> 1399

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<400> 1399

```

cggtgccagt gtatgacaaa agtaggagtt agtaaaactaa tatattttgt acattttggt 60
ttacaagtc taggaaagat tgtcttctga aaatttgatg tcttctgggt tgatggagat 120
gggaaggggt ctaggccaga atgttcacat ttggaagact ctttcaaatt ataactgttg 180
ttacatgttt gcagtttatt caagactgct gtatacatag tagacaaatt aactccttac 240
ttgaaacatc tagtctatct agatgtttag aagngcccg tgtatgttaa aatgnataag 300
gtattaaata cccctttgg 319

```

<210> 1400

<211> 1575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1450)

<223> n equals a,t,g, or c

<400> 1400

```

gcaagttcag attcgatttt tggatgtcaa tgacaatata cctgtagtag aaaataaagt 60
gcttgaaggg atggttgaag aaaatcaagt caatgtagaa gttacgcgca taaaagtgtt 120
cgatgcagat gaaatagggt ctgataattg gctggcaaatt ttacatttg catcaggaaa 180
tgaaggaggt tatttccaca tagaaacaga tgctcaaact aacgaaggaa ttgtgaccct 240

```

875

tattaaggaa gtagattatg aagaaatgaa gaatcttgac ttcagtgtta ttgtcgctaa 300
taaagcagct tttcacaagt cgattaggag taaatacaag cctacaccca ttcccatcaa 360
gggtcaaagt aaaaaatgtga aagaaggcat tcattttaaa agcagcgtca tctcaattta 420
tggttagcgag agcatggata gatcaagcaa aggccaaata attggaaatt ttcaagcttt 480
tgatgaggac actggactac cagcccatgc aagatatgta aaattagaag atagagataa 540
ttggatctct gtggattctg tcacatctga aattaaactt gcaaaactty ctgattttga 600
atctagawat gttcaaaatg gsacatacac tgtaaagatt gtggccatat cagaagatta 660
tcctagaaaa accatcactg gcacagtcct tatcaatgtt gaagacatca acgacaactg 720
tcccacactg atagagcctg tgcagacaat ctgtcacgat gcagagtatg tgaatgttac 780
tgcagaggac ctggatggac acccaaacag tggccctttc agtttctccg tcattgacaa 840
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gcaacaaagt gagaaaaagc ttgggagaag tgaaattcag ttcttgattt cagacaatca 960
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gctcatgatt ttggcctttc tgctcctgct attggtacca cttttactgc tgatgtgcc 1140
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ttggaataat gaaggagcac cacctgaaga caaggtgggtg ccatcatttc tgccagtgg 1260
tcaagggggc agtctagtag gaagaaatgg agtaggaggt atggccaagg aagccacgat 1320
gaaaggaagt agctctgctt ccattgtcaa agggcaacat gagatgtccg agatggatgg 1380
aagggtgggaa gaacacagaa gcctgctttc tggtagagct acccagttta cagggggccac 1440
aggcgctatn catgaccact gaaaccacgr agaccgcaag gcscacaggg gcttccagag 1500
acatggggccg gagcttcagg cagctgctgt ttgactgaa cgaggaattc ttaaaaaatt 1560
tatttctactg gttaa 1575

<210> 1401

<211> 1313

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

876

<222> (1295)

<223> n equals a,t,g, or c

<400> 1401

```
caacacccca tctctctctc tctaaaaaaaa gagaactggc cgtgagctat tgtgcccagc 60
tgggatcttg acaaagacac tatttctctc ctttcacctg tgctgtgtat ttttccctcg 120
cctagttccc agacctcact gctatatgtc ttctccctgg caggcaggat gacgcaaac 180
acggtgattg tgaatggagt tgctatggcc tctagggcat cccagcccac ccacgtcaac 240
gtccacatcc accaggagtc agctttgaca caactgctga aagctggagg ttctctgaag 300
aagtttcttt ttcaccttg ggacactgtg ccttccacag ccaggattgg ttatgagcag 360
ctggctctag gggtgactca gatattgctg ggggttggtga gttgtgttct tggagtgtgt 420
ctcagcttgg gggcctggac tgtgctgmgc gcctcaggct gtgccttctg ggcgggggtct 480
gtggtgatcg cagcaggagc tggggccatt gtccatgaga agcaccggg caaacttgct 540
ggctatatat ccagcctgct caccctgrca ggctttgcta cagctatggc tgctgttgct 600
ctctgcgtga atagcttcat ctggcaaac gaaccctttt tatacatcga cactgtgtgt 660
gatcgctcag acctgtctt ccctaccact gggtagacat ggatgcggcg aagtcaagag 720
aaccaatggc agaaggagga gtgtagagct tacatgcaga tgctgaggaa gttgttcaca 780
gcaatccgtg ccctgttcct ggctgtctgt gtcttgaagg tcattgtgtc cttgggttcc 840
ttgggagtag gtcttcgaaa cttgtgtggc cagagctccc agcccctgaa tgaggaagga 900
tcagagaaga ggctactggg ggagaattca gtgccccctt cgccctctag ggagcagacc 960
tccactgcca ttgtcctgtg agcygccaaa gacccacgg ggtgcccga tgtccctgtc 1020
tagggcagcc caggggcccc actcctggct cctcacactt gcctccccta tggccgctct 1080
ccagaccctc ctcttttctt ctccccacat ccgcacctgc tgttcccact ctgggggttct 1140
caagtccatg aacagatatt gttgcatttt ccacaatgct gattaaacat aataaacaat 1200
ccagaaaagc aaaaaaaaaa aaaaaaargg cggccgctct aaaaggatnc ctcgaagggg 1260
cccaagcntt aagcgttgca tngaaagtca naagnctttt ccctaatagt gaa 1313
```

<210> 1402

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 1402

```
cactaaggga acaaaagctg gngctccacc gcggtggcgg ccgctctaga actagtggat 60
ccccgggct gcaggaattc ggcacgagt aacccttgct tgatacgcac atagtgaatg 120
gagaaagaga tgaaactgcc acagctcctg catcaccac aacagayagc tgtgatggaa 180
atgcttctga cagtagctac aggactccag gcataggccc agtggctccc cctagaagaa 240
agaggggcag aaacagaaac caaggtacaa gagagggaaa atgggggaaag ccctctggaa 300
ctggagcagc tggaccagca ccatgagatg aaggagacta atgagcaaaa acttcacaaa 360
atagccaatg aacttttgct tactgaaaga gcttatgtca accgacttga cctcttagat 420
caggtatattt attgcaaact gttggaagaa gcaaaccgag gctcgtttnc agcagagatg 480
```

877

gtgataaaat cttttctaata atttcatcaa taaatgcttc catagtaaata

530

<210> 1403
<211> 1410
<212> DNA
<213> Homo sapiens

<400> 1403
gaaaatgtat ataataggca aggaaagaaa tacagtactg tttctggacc cttataaaat 60
cctgtgcaat agacacatac atgtcacatt tagctgtgct cagaagggct atcatcacc 120
tacaactcac attagagaac atcctggcct ttgagcactt ttcaacaat caagttgact 180
cacgtgggtc ctgaggcctg cagcacgtcg gatgctaccc cactatgaca gaggattgtg 240
gtcacaactt gatggctgcg aagacctacc ctccgttttt ctactagata ggaggatggg 300
agaagtttgg ctgctgtcat aacatccaga gctttgtcgt atttggcaca cagcagaggc 360
ccagatatta gaaaggctct attccaataa actatgagga ctgccttatg gatgatttaa 420
gtgtctcact aaagcatgaa atgtgaattt ttattgttgt acatacgatt taaggatatt 480
aaagtatttt cttctctgtg agaaggttta ttgttaatac aaggtataat aaaattatcg 540
caaccctctt ccttcagta taaccagctg aagttgcaga tgtagatat tttcataaa 600
caagttcgag tcaaagttga aaattcatag taagattgat atctataaaa tagatataaa 660
tttttaagag aaagaattta gtattatcaa agggataaag aaaaaatac tatttaagat 720
gtgaaaatta cagtccaaaa tactgttctt tccaggctat gtataaaata catagtgaaa 780
attgtttagt gatattacat ttatttatcc agaaaactgt gatttcagga gaacctaa 840
tgctggtgaa tattttcaac tttttccctc actaattggg acttttaaaa acataacata 900
aattttttga agtctttaat aaataacca taattgaagt gtataatata aaaaatttta 960
aaaatctaag cagcttattg tttctctgaa agtgtgtgta gttttacttt cctaaggaat 1020
taccaagaat atccttttaa atttaaaagg atggcaagtt gcatcagaaa gctttatttt 1080
gagatgtaaa aagattccca aacgtgggta cattagccat tcatgtatgt cagaagtgca 1140
gaattggggc acttaattgg caccttgtaa cagttttgtg taactcccag tgatgctgta 1200
cacatatttg aagggtcttt ctcaaagaaa tattaagcat gttttgttgc tcagtgtttt 1260
tgtgaattgc ttggttgtaa ttaaattctg agcctgatat tgatatgggt ttaagaagca 1320
gttgtagcaa gtgaaattat tttggagatt ataataaata tatacattca aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1410

<210> 1404
<211> 1442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1419)
<223> n equals a,t,g, or c

<400> 1404
cttctatatt agatggacag atttatatac tttccatgg aggattaagt aaactgaaac 60
ctaagacaca cgaagaaatt ctaagtggaa aggccactta ttagttagtt tacagcagta 120

878

```

tcgtaagtga caggatgata ggagtgtggt aagtgatcag gataataatc tgcttagtaa 180
gagaaacaat ttgaatttta gaaggaaatt gccttaccat ttgcaaatta aggtaattaa 240
aatacagtga atttcaaaat gcctttttta tgacaatgtg tgaacttaat ttgttttaaat 300
aaacaaaaat tgttgttatt gtgttaaggc tattttacat tgaatgtgta tcttgccact 360
gatgttaact tatcccatct tacccaaggc tgtaggtaac aatatactat tgggtgacag 420
tggactaaca tctctagtga tccctttgtc agtggctctt aacttaaaat aatttagaga 480
atatggtttc tacaacttac atttttgttt wcttgaact acagattatt atgatggttg 540
taatgaagat tatgagtata attggagcta tatgtttctg aattctgaac aactatttat 600
aaaattttat cctacttttt tctgttgaac atatgacttc tctggctctgc taaacacata 660
cagaccttta gttttggttt acatggattt aaatatatag atatatcact gtaaaataaa 720
cttcagggtg aacagattta tagagaaagt aatcataattt gtttatgggt gtgtacctac 780
tttgagaaga aaagaaaaat attagaatga acagataatt ttacaagtgt tgatcactta 840
ccagcaaacc agaaacttca gagattttga aagcaaatct attttctctg ctgtgtatta 900
aattcattta tctaaaatgt tattgctcct ggcttagaat catcttgtgc aaattctctt 960
tttttgttgt ttgtctgttt gcctgttgct caccatagac ataattttct tttcataaaa 1020
cattctttgt ataatcacct cagagattat gaaagtgact ttgataaaat ttaatggtgt 1080
tcacaaaata attttcacgt gagtaatttc acagtgcgtg tattgtatgt tatttagtgt 1140
attttatatt ttgtttcaat tagagaatgc tattgaatcc agtttttgtt tagttactgt 1200
tcattttact ttataaaatt gacataattg agttttattaa atttattggg ccaatttaag 1260
taaacagttg aacgtttcat aagtcatgag gtcttttttg gcataacat gaagtaaaca 1320
aagacaatac taggctatgt aataggragg ctaccttaat taggaggtaa atattcnttt 1380
tggaaattgg gcccggtggc ctcgggtgga aaatggggna atatccctag gtaaaaaaat 1440
gg

```

<210> 1405

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (976)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1671)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1680)

<223> n equals a,t,g, or c

<400> 1405

```

agctccaccg cggtgacgnc cgctctagaa ctagtggatc ccccgggctg caggaattcg 60

```

879

```

gcacgagggtt acattcagta tggtaatgaa gaacagagaa aacaggcttt tgaagaattg 120
cgagatgatt tggttgagtt aagtaaagcc aaatattcga gaaatattgt taagaaattt 180
ctcatgtatg gaagtaaacc acagattgca gagataatca gaagttttta aggccacgtg 240
aggaagatgc tgcggcatgc ggaagcatca gccatcgtgg agtacgcata caatgacaaa 300
gccatttttg agcagaggaa catgctgacg gaagagctct atgggaacac atttcagctt 360
tacaagtcag cagatcacccg aactctggac aaagtgttag aggtacagcc agaaaaatta 420
gaacttatta tggatgaaat gaaacagatt ctaactccaa tggcccaaaa ggaagctgtg 480
attaagcact cattggtgca taaagtattc ttggactttt ttacctatgc acccccaaaa 540
ctcagatcag aaatgattga agccatccgc gaagcgggtg tctacctggc acacacacac 600
gatggcgcca gagtggccat gcactgcctg tggcatggca cgccaagga caggaaagtg 660
attgtraaaa caatgaagac ttatgttgaa aagtggtgcta atggccaata ctcccatttg 720
gttttactgg cggcatttga ttgtattgat gataactaagc ttgtgaagca gataatcata 780
tcagaaatta tcagttcatt gcctagcata gtaaatgaca aatatggaag gaaggtccta 840
ttgtacttac taagccccag agatcctgca catacagtac gagaaatcat tgaagttctg 900
caaaaaggag atggaaatgc acacagtaag aaagatacag aggtccgcag acgggagctc 960
ctagaatcca tttctncagc tttgttaagc tacctgcaag aacaygcca agaagtgggtg 1020
ctagataagt ctgctgtgtg ttggtgtctt gacattctgg gatctgccac tggagacgtt 1080
cagcctacca tgaatgccat cgccagcttg gcagcaacag gactgcatcc tgggtgcaag 1140
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gagcaagata aaaagwtgaa agaaaatggg agagaagggtt gttttgcaa aacacttgta 1260
gagcatgttg gtatgaagaa cctgaagtcc tgggctagtg taaatcgagg tgccattatt 1320
ctttctagcc tcctccagag ttgtgacctg gaagttgcaa acaaagtcaa agctgcactg 1380
aaaagcttga ttcctacatt ggaaaaaacc aaaagcacca gcaaaggaat agaaattcta 1440
cttgaaaaac tgagcacata ggtggaaaga gttaagagca agatggaatg attttttctg 1500
ttctctgttc tgtttcccaa tgcagaaaag aaggggtagg gtccaccata ctggttaattg 1560
gggtactctg tatatgtgtt tcttctttgt atacgaatct atttatataa attgtttttt 1620
taaagtggtmt ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg ncccccaan 1680
gggccccaa 1689

```

<210> 1406

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (675)

<223> n equals a,t,g, or c

<400> 1406

```

ggtttttgat gttgctgccg gcatgattaa accagggtgta actactgaag aaatagatca 60
cgctgtacac ttagcatgta ttgcaagaaa ttgctacctt tctccccctga attattataa 120
tttcccaaag tcttgttgta cctcagtga tgaagtcatt tgccatggaa taccagacag 180
aaggccctta caagaagggtg acattgttaa tgtggatata actctttatc gcaatgggta 240
tcatggggac ctgaatgaga catttttttgk tggagaagtg gatgatggag cacggaaact 300
tgttcagacc acatatgagt gcctgatgca agccattgat gcagtgaagc ctggtgttcg 360
gtacagagaa ttgggaaaca ttatccagaa gcatgcccac gcaaattgggt ttttagttgt 420
tcgaagctat tgtgggcatg ggaatccaca agctttttca tacagctccc aatgtacccc 480
actatgctta aaaataaagc agttgggagt gatggaagtc gggccatgta ttacaattg 540
gagccaatgg tttgtggaag gcggatggca ggatggaac ctgggcccaga tgggtgggac 600
tgcggtggac aagagacggg aaagcgggtct gcttcaattt tgagccacca acccttctctg 660

```

880

gttcaacagg acaantgggt gtggaaaatc cttaaccccg gcggcttt

708

<210> 1407

<211> 838

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (753)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (810)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (813)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (831)

<223> n equals a,t,g, or c

<400> 1407

acccaacgct ccgctcatat caccaatcct gagcaaacc ttcctggaac taatttgaca 60
ggatttcttt caccggttga caatcatatg aggaatctaa caagccaaga cctamtgtat 120
gaccttgaca taaatatatt tgatgagata aacttaatgt cattggccac agaagacaac 180
tttgatccaa tcgatgtttc tcagcttttt gatgaaccag attctgattc tggcctttct 240
ttagattcaa gtcacaataa tacctctgtc atcaagtcta attcctctca ctctgtgtgt 300
gatgaagggtg ctatagggtta ttgcaactgac catgaatcta gttcccatca tgacttagaa 360
ggtgctgtag gtggctacta cccagaaccc agtaagcttt gtcacttgga tcaaagtgat 420
tctgatttcc atggagatct tacatttcaa cacgtatttc ataaccacac ttaccactta 480
cagccaactg caccagaatc tacttctgaa ccttttccgt ggcctgggaa gtcacagaag 540
ataaggagta gataccttga agacacagat agaaacttga gccgtgatga acagcgtgct 600
aaagctttgc atatcccttt ttctgtagat gaaattgtcg gcatgcctgt tgattctttc 660
aatagcatgt taagtagata ttatctgaca gacctacaag tctcacttat ccgtgacatc 720
agacgaagag ggaaaaataa agttgctgcg canaactgtc gtaaacscma attggacata 780
attttgaatt tagaagatga tggatggtn acntggccag ccaagaaggg naaccctt 838

<210> 1408

<211> 932

<212> DNA

<213> Homo sapiens

<400> 1408

gaagaatctt actgaaaatc aagaagctct tgcaaaagaa atgcgagcag atgcagatgc 60
ctatagacga aaagtggatc ttgaagaaca catgtttcat aagctgatag aagcaggatga 120

881

```

aaccagagc cagaaaactc agaaggtgat taaagaaaat ttggcaaagg ctgaacaagc 180
atgcctaaat accgactggc agattcagtc ttacataaa caaaatgtg atgatctaca 240
acgaaacaaa tgttaccagg aagtagccaa actccttagg gaaaacagaa ggaaagaaat 300
agagataata aatgcaatgg tggaggagga agccaagaag tggaggaag ctgaaggaaa 360
agagttccgt ttgagatcag caaagaaagc ttctgctctt tcagatgcgt ctgaaagtg 420
gtttttaaag caagagataa atgcggctgt agaacatgct gaaaatccat gtcataaaga 480
agaaccagc ttccaaaatg aacaggactc aagctgtttg cctagaacct cacaattaaa 540
tgactcttct gaaatggatc cctcaacaca gatttcttta aatagaagag cagtagaatg 600
ggacaccacg ggacagaatc ttattaagaa agtgagaaat cttcgccaga gactactgc 660
ccgggctcgt cacagatgct aaaccctca tcttttggtg gcatagaatg catgtcacct 720
tgagacggtc gagagagaga cctattttgc aatcagtgac attgattttt agattattta 780
tttaaaattc ctataaagat cagccctttg tacagaaaaa tgtgtctata aaaattatgt 840
gttatttaat tctgatactt tttggcttgt aaatggcttc ttgaactttt tacaataaaa 900
atgtttttag aactgttaa aaaaaaaaaa aa 932

```

<210> 1409

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (671)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (749)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (751)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (760)

<223> n equals a,t,g, or c

<400> 1409

```

caaaatcagt gctgtgcccg gcgtcaggcg tggagacaac agaaagttgt gcttaaagct 60
cgaatcagaa atccccggcg agtgtctctg tgtcctccct gcttctctgc tctgtgccat. 120
ccttactttg caccattcct attgcaatta cctcaaccag ttcgctgcc tcggtctctc 180
accagccaga gtgatcattt aaaatgcca tcagtccctg tgggccttgg gaatmatyca 240
gaggagcccc attggctgag agataaaatt ctgtttttac ctgggcacgc gggctctcca 300
ggatttgatt ccagcttacc tttccagtct tgattcccta tattccagta ttggaaatg 360
tgggccttgg actgaggctt taccaaataa cgctgarcac ctagtattgc cttttgcacg 420
aatgggtactg atgggtgccca agataactgc ctccamcccc aagttcagga cccagatcac 480
tctctggaga aggcctcagc ctcttgccctk ggctttcaag gctctgcgtg atttggtatc 540
tcgcttagct cttattttata tatattttta aagcatcagc agtttatctc atgcccacta 600

```

882

aactatcctg cctccgtacc ctttgttcat actttctgct ctgtgtggaa tgcccttctt 660
tcttcccctg ntctttctct tagacccaag ggttctcaag ccttatttct gcctctccca 720
tctcaaaaaa taaaataaat aaataaacnt nataaaaaan tcaaa 765

<210> 1410
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<400> 1410
agtgagctga gatcatgccg ttgcactgca gcctgggnga cgagcgaaac tctgtctcaa 60
aaaacaaaaa aaacaaaaaa gcaaaaaaac cccacaatcc agtgagtaag acctcagccg 120
gcctgagggtt cacagggttt aaatggaatg cagtgggaag taaagagtga tcccaaggag 180
aagtaaaaat cttgacacct tactctcttc ggcttgtccc acttttcttc aactgccccg 240
ctactggaac attttctctt tctcaatttc gattgtcccc ttaagcaatt tactaattag 300
acattaaaac ttcctattct ctcaatccca aagcaaaact gatgagcaga gcaaaccaga 360
gcagttgggg ccagaacaga acaaagacgt acctgatgca gggaattgaa gccagaccca 420
aaacggggca acccaatagg atgggccatc tgccccatt aatgccagct tgtccaagtg 480
taattattaa cagtgcccc tttcactctc caaagagtcc tgtccagaca gt 532

<210> 1411
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<400> 1411

883

```

nattatccct cactaaaggg aacaaaagcn ggngctccac cgcgggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagc aagtaattta tatttctatc 120
tgttgtgtat ataatcgtct ctttagagtt ccagacagct gctagtgtcc aaatatgttt 180
ttctaaagaa atattttgtt tgtgagtacc aacagtctta gtaactctct tatccctctt 240
atgtgctgag tacagtcgga ggaagaggaa ttggagttgg tgagtgtggg tttctgcttg 300
aaggaagtgt aaaaagatgt agaaagtact aattctctta cgtgttgta tctaaccaat 360
gtnccttttg ttacacaaat ttttttaaac actattcaaa cactttgaat aaagcaatct 420
actggtacta cagactctag ttttctatt tataattgta tgtgttgacc cattttattt 480
gttggaggga acattggaat agagccttta aaaacagtag ctgtccatga gcataggata 540
cttgtaatt tt 552

```

<210> 1412

<211> 1100

<212> DNA

<213> Homo sapiens

<400> 1412

```

ggctaaattc tactcttgaa gggctcgtagt ccacagcacc aaaatgactt aagtcctata 60
aaaaaaaaaa aaaaaagtta attctctgca ctgaagaaag tccataacctg gctcattttg 120
ggcaattctt tctcagtttt atctttttct ttggctaaat ccttaatcat ctgcttcagc 180
tgtttctgat aatcaactgc atcaccttga aacaaaggaa aacaatatgt ggtttaattt 240
aaataaattc agtgacagca aaaaggaaac tatgtaggag agaggagcaa gggggtgagg 300
aattccacta agcaaatcc atacaaaact ggaaagcaag agattcccct ggagagccag 360
tgggtggtaa ctgggggact tctgctctaa gaggaccctg gaaacagcaa acaggaggaa 420
ggaacttggt ggtgggggca aggggcagcc acccagcaac acccccacta ggagcacttc 480
tgtcctctaa aggcagttag tttggggata attcattgga cgaagggaaa agacaaggct 540
gctacaagaa gagggatgag ggcaaccctg gtgcctcccg ccaactgcagt ggtatgcagg 600
ggaaagcaac aatgaaaaga ggtacgtgcc attgggtttc ccgaaaacca ggggtctcga 660
tgttgacaac agaggattcc tcaacggcga ctggctgtct cggtcatttt cagtgagtgc 720
ttaaaaaaag atgagaggtt taaattaaac aaattttctg ccttaccaaa actgacagta 780
atgtagcttt ctaggcaact aaaggctaag ccagcagctc ccagcctgtg gactgtagt 840
tttgcagggt ccacgaaccc aaatgcacac caagcactgt ctggataccc agagaaaata 900
aaatgtcccc cacaccaagt gtgccttttc ccagaggtat gtggagactg ttgtaattaa 960
caacatacac attcatagaa ggacactgct aatactgatt tggaaaaaat gtatgtagt 1020
aatccatt ttgtaaaact gaaatatatc catgcacaca taaagtactc tagaaataaa 1080
tacactaaat ctcaaaaaaa 1100

```

<210> 1413

<211> 563

<212> DNA

<213> Homo sapiens

<400> 1413

```

tttacatggt cctccagtgt tgagaaaaac ctaatgccyt tttttgtgtt aagtttacct 60
attaatttta attttttag agatagaact tagatgacgg atttaacctt gaagtaggtt 120
tgtattttta aatctatttg ctttgattac cacagacagt gattgaggta gatgggcact 180
atctggctgc ttatatgaag gttttgaaac cattctgtta atccttttaa caaatgggtta 240
tctgtccttt tctatcttat aataaaagat tgaagatatg acttagtatg ctcatgttac 300
tgtttgctta gagatgggag gctatttttra tttttcatgc tgttctaaat catgaaagaa 360
taggtaactt tgtactcatt tcttaattta aatttaagaa gcactttag attttttgta 420
ttggattttc agatccctat tgagtttttt aactgaagtc ggagcaaatg aattgagcat 480

```


884

tctgagtact tggctaataca agtgatgaag aggtagtaat atgaattctg ggacctaggc 540
 atagatgacc tgattctgtt ctc 563

<210> 1414
 <211> 583
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<400> 1414
 ntnantaagg gaacaaaaagc tgggggtcca ccgcggtgac gaccgctcta gaactagtgg 60
 atcccccggg ctgcaggaat tcggcacgag catataaatt atcttaatga tctaggtatt 120
 ttgttagggg aatacatata gtcaggatag gataagaggg gaagtaatga gtggtttact 180
 aaatatataa gacaaacatt tcaagtaaaa atttcaggag aaaatTTTTT tttaggtttc 240
 taagaaatat atttgtggat gtggaatttt tctgycagat gacgtaagag caaagttgaa 300
 gatagctaata acytggggat tcatakggag gtaattTTTT atttaaaatg agcaagaagg 360
 accctagcct tttattgtgg tcttggaaac tcattcccca ccagtatcat tccttgaaga 420
 aatgggttgg tctaggtctg gggcaggaaa tatatgrgat aagctgaaac atcttgacta 480
 tcagcaaaaga ttttatcaaa cgatgctagg gttgtgtcag aaggactcag cagccaactg 540
 aagacgttcc cactggccaa aatagggcac attgagtatc tgt 583

<210> 1415
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 1415
 ggtactctgt taaaattcct gtgtaaactg ggacttttct tttcactttc ytgtgtttca 60
 agaacagtag gtgttccagg gcttttgtcc tgctgggtac aagcaagtag gattttgaga 120
 aggtgtgagg aggaggtcag aaaaattggt ggaaatagga aagagaaaga aatatggccc 180
 cgattttggg gagagaaagt ctggggaaaag agcaaaggca attaaagagg attttgagga 240
 agagacttct gtaaaatatg tcttagcaac acttttttga gttgaaaata tttcttttta 300
 gtgtgttatt ttttctaaga ggtgcctcaa gatggataat ggaagatttg gagtacgatt 360
 gggttgacaa tccaaggaga ttcggtgaca tccagattac cctgaaaaaa aaaaaaaa 418

<210> 1416
 <211> 513

885

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (498)

<223> n equals a,t,g, or c

<400> 1416

```
gcttacataa cctacattta tttcatagct tagtgattac attacacagt cagtcagaat 60
ccttgattct gctatttact agctaagtgg ccacaaataa gttattttaa tcctctaagc 120
ctgcttctgt agttgtaaaa tgagagttat agcagcacct accacctaag attttgaggt 180
ttgaatgaga aaatgcatgt aaagctttgg gcattgtgca tgatgtaaac actcaaagt 240
tactgaagtc aataaatggt aactattttt tagcacactt cagtgggctt atatcaccag 300
tcaaaatgat acacagtatt ttatttaatg gctttatgta aattatattt tactagctat 360
taataaatta actcttgga cttttgccat gggttaattt gaaaaattga aaataaatgg 420
aaaaatcata aaaantccat ctattttggg atttacacat aataaccact atntgggtcc 480
aaagttttaa aatactancc atggctgggc cgt 513
```

<210> 1417

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<400> 1417

```
cctcactaag ggaacaaagc tggngctcca ccgcggtggc gnccgctcta gaactagtgg 60
atccccggg ctgcaggaat tcggcacgag gccctccctg cgtttagatt cagttgcacc 120
ttttattatt ttaactcttc tccttaggac acgcagcccc caatttkctc ctccggcctg 180
ggcgccccct ggccccgcgc gccacatggg agagcgaggg acctgcccgc ggccccgcgg 240
cgtgtgcaag gaggtccagc cgccgcgccc gctaccgga gtctgaggac ggggtgtccag 300
ggacggagag gcaggtgaga gggaggtggc taagctggst atggtgacag gacgatgttg 360
```

886

gccagaaaga gtatcatccc ggaggagtat gtgctggcgc gcatcgccgc agagaacctg 420
cgcaagcgcg catccgagac cg 442

<210> 1418
<211> 929
<212> DNA
<213> Homo sapiens

<400> 1418
ggctgatagc tgtgtgtggt agcttggtata tatatTTTTa aaaatctacc tgttcctgac 60
ttaaaacaaa aggaaagaaa ctacctTTTT ataatgcaca actgttgatg gtaggctgta 120
tagTTTTtag tctgtgtagt taatttaatt tgcagtttgt gcggcagatt gctctgccaa 180
gatacttgaa cactgtgttt tattgtggta attatgtttt gtgattcaaa cttctgtgta 240
ctgggtgatg caccatttgt gattgtggaa gatagaattc aatttgaact cagggtgttt 300
atgaggggaa aaaaacagtt gcatagagta tagctctgta gtggaatatg tcttctgtat 360
aactaggctg ttaacctatg attgtaaagt agctgtaaga atttcccagt gaaataaaaa 420
aaaatTTTTa gtgttctcgg ggatgcatag attcatcatt ttctccacct taaaaatgcg 480
ggcatttaag tctgtccatt atctatatag tcctgtcttg tctattgtat atataatcta 540
tatgattaaa gaaaatatgc ataatcagac aagcttgaat attgtttttg caccagacga 600
acagtgagga aattcggagc tatacatatg tgcagaagg tactacctag ggtttatgct 660
taattttaat cggaggaaat gaatgctgat tgtaacggag ttaattttat tgataataaa 720
ttatacacta tgaaaccgcc attgggctac tgtagatttg tacccttgat gaatctgggg 780
tttccatcag actgaactta cactgtatat tttgcaatag ttacctcaag gcctactgac 840
caaattgttg tgttgagatg atatttaact ttttgccaaa taaaatatat tgattctttt 900
ctaaaaaaa aaaaaaaaaa aataacggt 929

<210> 1419
<211> 244
<212> DNA
<213> Homo sapiens

<400> 1419
cgcacaaact ctttgaaccc gctgtaaaag atttgtaaat tcgcttgccc caaaattatc 60
gcactggcga cgtgattttm atcactatgc agagtctggc tgggtggaat tccgcactgc 120
cacccttggt gcggaagaat tgcaccagct cggctattca ctggcgctgg gtcgcgaata 180
gttaatgaaa gtagccgat gggattacct gatgaattca ctytacaacg sgaattcgag 240
cgcg 244

<210> 1420
<211> 172
<212> DNA
<213> Homo sapiens

<400> 1420
cagcaattcg gcaggacgg gtcgccggct gcttacgtgg gcgggcctag tgtggggctg 60
agggtgcggg tcgctatggc ggtggacatc acgctgctat tccgggccag cgtcaagacc 120
gtgaagacrc ggaacaagcg ctgggagtgg cgggtggcga cggggtcgat gg 172

<210> 1421
<211> 2293
<212> DNA

<213> Homo sapiens

<400> 1421

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tttttttttt tttttttttt tttttttttt tttwactttt taaacaatcc attttaaatca 60
tctaaattat ttacaatata ataacatgga ttcactcctt ttaagacatg ggattgtaaa 120
aatcaacaag tgaatgatgc ttcaaataat acattttaa acattaatca aattttttca 180
gtgcttaaaa cttttttctc atgggacagc aggctctgga caaaagtgcc tagcatacaa 240
gttttcccaa tttccttcta tcataccagc tgcacataaa aaggttcatc acctcctgtc 300
tccaaagtgt ctccctactg agtggtccca ggcagacaat agttcctggg atagtgtgtg 360
ttggtaacag aaaagcccaa gcgtagagga cggattaaaa ggcagggacc agaccrccat 420
ggatacaaat cccaagacag aggatgcccc atgccttccc catgaagctt atctgtctgc 480
ctgtgtctcc atgattgcag gcatagagct acttgggacc tccaggatga tttacttagc 540
gatatgcttt ttacattcta agaatacaaaa tggctcctgta attcccaata gagaaaatag 600
agccaattca ttgttctccc ctctcccttc tgaagccagt ttttaaagat gagccttacc 660
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```

<210> 1422

<211> 1660

<212> DNA

<213> Homo sapiens

<400> 1422

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888

```
cctggccggg aggcggcggg tctcgatcgc gcgggcctcc ctggaggggc gcgggctctg 180
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catgacaata tttaatatata atagatttct gtgttgtctc cagaatggaa aggggctgtc 1560
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<210> 1423

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<400> 1423

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acatcctaac tctgacttct ttggrcagga gggagaaacc cagtttggat tccccaatgc 180
agcaggaaac catggttctc agaaagaaag aaatcttatc actgtgactg gcagctcatt 240
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```

<210> 1424

889

<211> 3106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3075)
<223> n equals a,t,g, or c

<400> 1424
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aaggcccccct atgccaacac caagagacta caggaagaaa acctggatcat cccccccgg 360
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caggatgact tggaagagga tgatgtgttc ctactagatg tctgggacca ggtcttcttc 480
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890

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agacctaaag gcaagtatga aatgcatatg ctacttcact cctctccca acccttaata 1620
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```

<210> 1425

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<400> 1425

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gcgggggttc ggggcccgmct ccgctctttt cgctctctgc tttccctcc cccctcgcgc 180
tctctccctc cccccccca tytcagtgcc gggaaagccg cctgtgctgc gcctgggtggg 240
gaaatgggtg acgctcatga actgtgtatg tggtttttgt annatctgtc tgtcttgggc 300
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<210> 1426

891

<211> 1967
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1956)
<223> n equals a,t,g, or c

<400> 1426
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cctgctcaga ctgcgcccc gcaacgtgcc cgtgggcttt ggagagagct ggaagaagca 240
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aagaaagcat tacactgttt atccaccccc acaccaagtc ttcacctgga cccagatgtg 360
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tctgcacctc catccttgat cttgttagca atgctgtttt tgctgttagt cgggttagag 1860
ttggctctac gcgaggtttg ttaataaaa tttgttaaaa gttaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaancccc gggggggg 1967

<210> 1427
<211> 879
<212> DNA
<213> Homo sapiens

<400> 1427
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892

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cccccccca tctggaccat aatagacacc aaaacaaacc caaattggta aaaagaataa 180
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<210> 1428

<211> 521

<212> DNA

<213> Homo sapiens

<400> 1428

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tgctcatcgc agtcctggac acgggggctg acccgggggc tccgggcatg caggttacaa 180
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agattcctgc aagctggaca aatccctcag gcaaatatca tattggcata aaaaatggct 360
atgacttcta tctaaggca ctcaaggaaa ggwtacagaa agaacggaag gaaaaaatct 420
gggacccgtg tcacagartg gcccttgtag aagcctgtag aawacaggaa gratttgatg 480
ttgccaacaa cggtcttct caagcaaata aactaatcaa g 521

<210> 1429

<211> 306

<212> DNA

<213> Homo sapiens

<400> 1429

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cgaagagttt gggacagtgg gggaggagat gggaagggat gggatttctg ggtcccagag 180
cgggtgggat actcacgcac agcttcttca ctggtggggg gtggggcaca cattatttct 240
cactggtcat gatttacaag aagaaaaata aaactgcttt tggaaccaa aaaaaaaaaa 300
aaaaaa 306

<210> 1430

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

893

<222> (470)

<223> n equals a,t,g, or c

<400> 1430

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agctcagtta aattcagcat ttaatgcagg tgagttcctg ggtcgttttc caactagtct 180
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taaagaagtg gtgtcagcag atcaatatgt gtgtcctggg tgtgctgctc tcttaagtga 360
gactttgtga gactatactt taaatgcatt attaccattg cttacatttt gggggatttt 420
cttctctctc aaaacttcca tttctattgt aatattctta atgacaatcn tttttttttt 480
ttagcagtgt atgtttgaaa cagccaaaga tggcgatgaa ccaagtgtaa attgatctaa 540
gcagcccatg cagtttgtgt tgaatcaaca aacagtgtat tgttgaagtg aaattatttt 600
ctgaaatgac ttgttagacc agttttgagg acatactcaa aagtagagta ataatggctc 660
ctgggatgga gaaatatgag atgaacctgg aacattctat tatggtgcca caaaggaaat 720
ctaaaaaaaa aaaaaaaaaa aaaag                                     745
```

<210> 1431

<211> 931

<212> DNA

<213> Homo sapiens

<400> 1431

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<210> 1432

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

894

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<400> 1432

```
aattaaattc tttgcaaaat tgaactttct aactaaaacg tgtccatgtc agaattttta 60
ctgttagcag gtagttttgt gcaaagatgg ctaaataatg aagcaaatta gaatctgcgt 120
gtatacta at gagctgcttt ttttctgttg agactatcat tatttgtctt attaccaag 180
aggcaattac ctgaatttgg atgtctgaat tataacttat gcaggaatag ttctgtaaat 240
acattttaa at aaactgtaaa gatattttaa aaatatagta ttataactaa aaaaaaaaaa 300
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naaaaaaaaa aaaaaggaac 360
caaa 364
```

<210> 1433

<211> 2593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<400> 1433

```
ccccgggttt aatgccattn aaaatttatg tttgagggtta ccacaacttg ttttaaaaag 60
actttgtttt gtgaatttgt actgtatat ttagtaactg tcaggctttt atttaaaatt 120
gtttmacatg taccatgtac atgtcattac tatatttcaa tgcacatgct ttgtaacagn 180
gcatttcatt tataataaga atgagttatt catttgtaag ccgttcagta atttatctac 240
tattcctaaa ttggcataat gttagataat ctattttgaa tcaccttta ttacatgtca 300
gaatgcctta actaccctaa cttgacaaaa cagaattctt tggtagacgc ggtggggggc 360
gggtgggggg tctggacgga gtctctattt aaggagaaat catcatgcta tgcataaaac 420
acagaagcat gaggtgcaag tggcggggta tttattttgc aaaaactatt tgcagtctct 480
gtgtatttaa aaagtaaaga aagttgcac cagaagggtt ttgttagaat gaatacattt 540
atattaggac tgacaacttc agctcttttg tttagggttt caattatttt tggtaagagt 600
atgtagcctt atgatctgga tataattttgc attcattttc caacgcctac atttaattcc 660
tggttaagagc agtgctcgtc aagtttcttg ttttctctct ctctcattta acccgctcaa 720
cacaatcttt gtaaagctag attgggtggtg ttttatacaa cttattttact cagcttacct 780
ttttgagaaa cgattgttag aaattgacga tgtgtttgtt ccagtgatac tgaaagtagt 840
gggggcaaga attgagtttc acagtggaat tggccttgga tctggcctat agattagtg 900
cataaaatat tttctctatt ttccctgtt ctttttgtgt tatgcactta attttatgac 960
tgccgggggg gtcagctgga gtgctgctta acaagtatct ctctactct cagtggtcag 1020
aggctgtgtt ggacccatag tagaattttc caggtcacag acccaagctt ccatgggttg 1080
ttactgtgct gtaccacttg gtgggtctga ttctgaacct gatgtgtgtg ttaattatat 1140
tttaagcaac acacacacac acacacgcct catgtaatgg acttttataa caaaagaaaa 1200
aatttggatt tctaattttac aaatggcaaa ttatttatcc ctctctggat gcaccaaa 1260
```

895

```

ccagtaaagt ttatagcttt tccatctata tttataaagc aatactgtat tataaaaaatc 1320
aatatTTTTta tcacatgctt gaaatTTTTa ttttgttgtt ttaaaatgtg cactctaaac 1380
ataticagaac cttatttctt cctatgaact taagctgcct gcgcacaaaa aaaaaaaaaa 1440
tttaccaaat ggagatgcag tagagtccat aggctctaaa aactaaaaga aatgggatgc 1500
aggggggaaca agttatttgt cctgagttac tgtacttgct tgacatgggt gttgggtact 1560
aaatcacaaa agaateccatt ccaggtatgc atgtctgggg gttgggctgt gtctagatta 1620
gaaactgggt ttcaagcttt gcatgatggg agagcgtcct ctctctatc agctgcgtgt 1680
gttctggata ggacagtagc ccggagatgg aaaccacctt cagtaccatt agcccaccat 1740
accaagtaac aagttaggca ggaatcgtgg gaatttattg agtcagcttt gagtgtttga 1800
gagaatgtaa acaagattgg ctCGaattgt aaacgtttgt actttggatg agttcatggt 1860
tcttttaggtc accttaatac cagctatctt tggtagaagc tacagcattc agtttctctg 1920
gaaactgtat cacatTTTTg cattttaaaa attttacagt atcaaaaaac caaaatctgc 1980
ttatgaaaca aaacatgaag caggacatat ttggattcta tttatttaaa attaaattct 2040
ttgcaaaatt gaacttctca actaaaacgt gtccatgtca gaattttaac tgttagcagg 2100
tagtttgtgg caaagatggc taaataatga agcaaattag aatctgtgtg tataactaatg 2160
agctgctttt tttctgttga gactatcatt atttgtctta ttaccaaga ggcaattacc 2220
tgaatttggg tgtctgaatt ataacttatg caggaatagt tctgtaaata catttaaata 2280
aactgtaaag atatttaata aatatagtat ttatacta atctgtgtgt cttttggttt 2340
gaatagtaac taaatgagac accagccctt gacattgagt ttgttggta ctatcaggtc 2400
ctcatttcca agcctcctag tcattctagc actgattata tgctgctact ttaactggct 2460
ccagctgctt cactacatca gtttagcttc ctCagaaatt catcaaatg gacggacaat 2520
taaatagtaa ttatagaact ttttccagc tgaggctttg caccttccgt atagtataga 2580
gggaagctac aaa 2593

```

<210> 1434

<211> 1052

<212> DNA

<213> Homo sapiens

<400> 1434

```

ggtttttccc gggatacatc tgtgttgagt cactttgcat tcaacagtgc ctgccacca 60
aaatcataca taagagggaa actaggactg gaagaatatg ctgtctttta cccaccaa 120
ggtgttatcc cttttcatgg attttcaatg tatgttgcac cactttgttt tctatacc 180
gaaccttcca aattgtatca gatattccgt gagatgtatg tgcgtttttt cttcagac 240
cattccatct cttctcatcc ttctgggtatt gtgtcactct gtctgctgtt tgaaactc 300
cttcaaactt atcttcccc aactctttat catctacgag aaattggggc tcaaccac 360
cgcatatcat ttaagtggat ggttcgagct ttctctggat acttagctac agatcagc 420
ttgcttttat gggatagaat cctaggatac aactctctgg aaattcttgc tgtgctgg 480
gtgctcgtgt ttgctttccg agcagtgaac ctgatggagg tgacatcact ggctgcag 540
gaaaatctag ctgccacag tgaacagttc tgcactgctc ctctattccc tgagcttt 600
agagtccaga tcccatgtac tgctgaactc aggcagaaag aagagtgcag tttattgg 660
tccaaatctc attcaacaga acaaagaagt tgaggttgca aggaagaacc tataatga 720
ggtcatggaa tataacctag aaaagaagag aaataaaaga gactgtgttt caccatgt 780
cccaggctgg tctcgaactt ctgagctcaa gcaatccacc ctctcagcc tccagaagt 840
ctgggattac aggcattgaga caccaagtcc agccataagg ttcttattct atatatac 900
gaaatgatat cacttgaagg tagactgtga taagttaa atcgtatat tttaaatct 960
caaacaacca ctaaaataaa agaacaaaga gttacaacta aaaaaaaaaa aaaaaaaact 1020
cgtagggggg gacggcgtac ccaattacgc cc 1052

```

<210> 1435

<211> 665

896

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (659)

<223> n equals a,t,g, or c

<400> 1435

```

ggcacgagcc gatagctgct tcgggattgg cgtccgggcg gctatctagg ggctgctggg 60
aagatggcgg actcgggtggc tagccgatga ggaggccgcg gggggaaccc ggcccccg 120
ccccgagacc gactgaggga gcgacctgcg cagggcccgg ggagtcattg tctccatcac 180
ccaactccat gcttcgagtc ctgctctctg ctcagacctc cctgctcgg ctgtctggcc 240
tgctgctgat cctccagta cagcctgct gtttggggcc cagcaaatgg ggggaccggc 300
ctgttgagg agggccagt gcaggctctg tgcaaggact gcagcggctt ctggaacagg 360
cgaagagccc tggggagctg ctgcncctggc tgggccaraa cccagcaag gtgcgcgcc 420
amcaytactc ggtggcgctt cgtcgtctgg gccagctctt ggggtctcgg ccacggcccc 480
ctcctgtgga gcaggtcaca ctgcaggact tgagtcagct catcatccga aactgcccct 540
cctttgacat tcacaccatc cacgtgtgtc tgcacctgac agtcttactt ggctttccat 600
ytgatgggcc cctgggtgtg gccctggaac aggagccaaa gcttcgcctc cttcgaagnc 660
acctt 665

```

<210> 1436

<211> 1104

<212> DNA

<213> Homo sapiens

<400> 1436

```

aaagatgggc aacttacggt cggactgggt ggctacctaa tgttggttaag agttcaacaa 60
tcaacrcat catgggcaac aagaaagtat ctgtgtctgc cacacctgtt cacacraagc 120
actttcagac tctctatgtg ragcctggcc tctgcctgtg tgactgtcct ggcttggtga 180
tgccatcttt tgtgtctacc aaggcagaaa tgacttgccg cggaatcctc ccaattgatc 240
agatgagaga tcatgttctt cctgtatcac tagtttgcca gaatattcca agacatgttt 300
tagragctac ctatggcatt aacatcataa cgcctagaga ggatgaagat cccaccgac 360
ctccaacatc ggaagaactg ttgacagctt atggatacat gcgaggattc atgacagcgc 420
atggacagcc agaccagcct cgatctgcgc gctacatcct gaaggactat gtcagtggta 480
agctgctgta ctgccatcct cctcctggaa gagatcctgt aacttttcag catcaacacc 540
agcgactcct agagaacaaa atgaacagtg atgaaataaa aatgcagcta ggcagaaata 600
aaaaagcaaa gcagattgaa aatatcggtg acaaaacttt tttccatcaa gagaatgtga 660
gggctttgac caaaggagtc caggctgtga tgggttataa gcccgaggat ggtgtagtga 720
ctgcatccac tgcgagctct gagaacgggg cggggaagcc ctggaaaaaa catggcaaca 780
gaaataaaaa agaaaaaagt cgtagactct acaagcacct ggatatgtga ggttgggctg 840
caacagaaat gtcattctga ttgtgcagat ggaaaagagc agaagctgcc tgttgccctg 900
ggaactgtcc caagacacta gcaactgtga acgggcccctg ctcttgaga gcacggctgc 960
acccaacagt ctccatgtca agaccaaggg cctcctggaa acaccaactc tgacaaaaag 1020
gagtcactct ggagcccgag aatcctactc ctggccgggc acagtggcac gcaccaacat 1080

```

897

ggagaaaccc cgtctytact aaaa

1104

<210> 1437

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<400> 1437

```
ccaggtgggt gccctgggtc ttggtgttgt gactggggga ggaggggtgt taggggctgg 60
gggtcacctt atattaacat gaactagagc acacccttgt catggctgga cccaacagta 120
agaggcaaac ccaggtgtgc catgtcccta ggatgtcca gcctgctctg gggccacgag 180
tctcacatga ggactggccg cccttgtgta caggggcaag agggggccag gtccctgtcc 240
tggccaggct gttagccgca gtaccacag agaccaccgc cctcctctgc tttccccgga 300
gaggggcttg gcttctagca gtcagagcag ggctnttcca aaagggtggg ccttgcccg 359
```

<210> 1438

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1438

```
ggaggccgta cctccgagag gctcggcggt gagccgggta gggccagggtg gctgcccttt 60
cacctagggt agtccctggg cgctccgct cttcgcccaa aaggggatgc agctccggga 120
aacaagtga ttcattggtat tttacttttt tgggaaatac trgaaatgaa gacctgcaac 180
tgtaatttgr aataaggaaa actttaattt tcrgtataaa aattgctcaa atagaattgc 240
ctgattttta tgacaaaagg tgaattatag tttaattgtac tgcaagtcct aaactacgga 300
tgggaactat tacagtttat aatgtcaaaa acttttctta gaccaaagggt atcttcaca 360
aagtatatgg gagtccacat ttatgtaaga aatgaaacta taaaatgta 409
```

<210> 1439

<211> 404

<212> DNA

<213> Homo sapiens

<400> 1439

```
gtgttgagag cgggtgtggca ggtgtttag cgcctatggt gaagtctgct ttgtagcggc 60
cccgctaga gagttgkyct gttccctgcc tttgtgacct ggagagcttt tgggaactgg 120
tttgtggcct gtttgattcc tgtcagaggt ttgctgacct aagacagtat cgaaaatgca 180
tattaagtca attattctag agggattcaa gtcctatgct cagaggaccg aagtcaatgg 240
ttttgacccc ctcttcaatg ctatcactgg cttaaattgg agtgggaaat ccaacatatt 300
ggactccatc tgctttttgc tgggcatctc caacctgtct cagggttcggg cttctaaatt 360
tacaagattt tagttttaca aaaatggggc aggcttggtt tttta 404
```

<210> 1440

<211> 352

<212> DNA

898

<213> Homo sapiens

<400> 1440

```
aattcggcag agaaattata taaacctgtt gtctctcacc tctacattgg atcacatggt 60
cacctgcctc atggaaatgc cttttttaa acttcgattt gcagaactcc actattttta 120
tacctagcta cagttttgag aaagaagaat cagaacctg acccacttac ggttgctggg 180
acaattcccc ctcccgcagc tattgctgca gtgccagga cagtaaaatg gactacaagc 240
ggcgyttcct gcttggcggg tccaagcaga aggtgcagca gcacagcaat acccgatgcc 300
tgagctgggc cgagcactga gtgtcccctg gcacccacgg ccaccaytgc cc 352
```

<210> 1441

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 1441

```
ttcggcacga aggagactgt aaacaaagat atttgtgaaa agggaacaat tcagcaaagt 60
ataggaatct ttaaaaatat aataagcaag cctaataaaa aggaagaagc cattgttttg 120
gaaatccagt ctgatataat acttatccta tctggcsttt gtgagaatca cattcaaagg 180
aaggaaaatt tcggaactga aggagtagat atygttcttc atgtgatgaa aacagacccc 240
aggaagtac agagtggcct aggctataat gtacttcttt ttagtacatt ggacagcatt 300
tggtgctgta ttttgggatg ttatccctca gaggattatt ttcttgaaaa ggaaggcatt 360
tttctccttt tggatttggt agcattgaac caaaaaaatt ctgtaatcta atacttggga 420
ataatggttg aattttgtga ataatcccaa aactgcagct catgtcaatg cttggcaagg 480
gaagaaggat cagacagctg ctagtctttt aatttaaatt gtggaggaaa ggaggaaaaa 540
gaactaggng taaaacg 557
```

<210> 1442

<211> 568

<212> DNA

<213> Homo sapiens

<400> 1442

```
tcaatgttcc attttgcttt taaaagcttc acaagaacat ttcatttatt aaaatagttt 60
ctgtaaactc tttcagaata acaaaattca cttgccttgc ttaaacagca tttcaagtag 120
aagtattttt atttcaaggc accataaaat gatgatctct ctaagaaata cctctccttc 180
cgtgtgtgaa aatccttggg ggaaaaaaa tcccacacgg tgttcttggc catcaggatc 240
atgaaaacaa actttggtga atgtgagcaa ctgcgccaga caggacacag gttacagggc 300
ctgacgtcac taacggtaac tgacaatctt ggaatggacc ctactgctga tgtttcaaaa 360
ggacacagag gtgaactggt cacttctaata taagaagagc cagtggggtg ggggaagctg 420
aaaacaaaa atccacgtag acatacgtgg cagtgtgaac gtctgtcctc cccttccttc 480
tcctcacttc ctctcctcct cctcactcag gctggtatct tcctggtgtg cggatgtcag 540
cttgccctgc agaagcctct gccgaatt 568
```

<210> 1443

<211> 654

899

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 1443
cctcataagg gnncaaagct ggagctccac cgcggtggcg gccgctctag aactagtgga 60
tccccgggc tgcaggaatt cggcacgagg tttgcttcaa aagggntata ttatactctc 120
tctagtaatc caaagggtatt cctaattttg ccactnctca ttttcgcttc tctttaaggg 180
ccttatagta tgttctaatt tctcatttgg tagtatgcaa cattcaatat ttctagctct 240
aaagttecat catataattat ttcttttttt cttttttttt tctttttttg agactccatc 300
tcaaaaaaaaa aaaaaaagca aaattggttg catctctaag acagagcaag actccctctc 360
taagagatag tagtgtctcc cacttaattg aattcgtttt gttttgtttg ctttgctttg 420
attcttgcca cgtaaaatct gtgggtcttg accagagatt tgctcagaca gttaaggaaa 480
aataatgaag atgtatttgt gaaattttta cataatgaaa aatgagatgt atttgtgaaa 540
attttangna taaacctctt tataaaatac gtttgtaaaa tataaaagag gtaggatgtt 600
ttgggctaaa tttagccaca ttctggggtc catacacaca cacacacaaa cagg 654

<210> 1444
<211> 899
<212> DNA
<213> Homo sapiens

900

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (452)

<223> n equals a,t,g, or c

<400> 1444

```

gtcttattga actggataat ccaatattat ggatacaatg tcatacagta ttatggaggc 60
atatgtgtaa ttatcantat aaataatact ggagaaatct ccggacgtca gaagtcggaa 120
atggctctca ctgagttcaa atcaaggtgt tgggaaggct ccactccttt ggggggctgt 180
ggaggaggat ccatttcttt gccttcccca acttatggac tctgcattcc ctggcttggtg 240
gcccccttct ccattctcaa agccagcagc gtagttcttc ccatctccct catattcttc 300
taacgctgac ctgccttcct cttacgaaga ccctggcatg acatcgggcc accagataat 360
ccagcctgag caacagagcg agactttgtc tcagaaaaaa aaaaatcagc ttataataag 420
tgccataaag aaaataaaac tgggagacat gnaagagact gactagggtg gtagtctaac 480
agatggggca gtcaggaagt cttycctgag gaggtgacat ctgagctgag atctgaatga 540
aggataggat ccasccacag attgatctgg gggagaggca ttctaggcag aagacgtggc 600
tagtgcaaag gtcctgaggt aggaatgcac ttggcatggt caaagaacac agagtcggtg 660
tggctggagc agagcaagtg aggaagagga ctgggagatg aatcaggaag gtgccggggc 720
ttgtaggctc agataggaa tttgaggact cttggtgctg agggaagaac gtgaaggaga 780
tgattgatca gggctgactt ctccggagaa ccactgggct ggtatggagg cagcatgaga 840
ttccgagtgg tcaactcaga ggcgagaatc agcaacccca gcatcaactt cagttcgtt 899

```

<210> 1445

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<400> 1445

```

ggcagcagca gagatagggt ttttggaggg ctctctgagg aaatggcccg acagcattct 60
naggttggtg atgaccagca gatactatcc tgttggtgtg ccctgggggtg ccattggctgc 120
tattcgctgt agattaggct acataaaatg ggctgagggt acctgtttgg ggagatgggg 180
tggcctgcag tgacacagaa aggaagaaac tagcgggtgt cttttaggcg ttttctggct 240
tgacggcttc tctctttttt taaatcaccc ccaccacata aatctcaaat cctatgttgc 300
tacaaggggt catccatcat ttcccaagca gacggaatgc ctnatttaat tgaaagttag 360
tgttc

```

901

<210> 1446
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<400> 1446
aaaaaaagaa aaaagaaatt tgtgaagttc tactgctcta gttatgcagg gtggcaggat 60
ggcatttgta aattgacttg aagtgaagaa aaataatttc tggttttatt ctaagtattt 120
aaaactgtaa attcataacc atgattcatg attttgnatt acaagtctta tgaattctta 180
gaacttcaga agtggccggg tgtggtggct cacactgtaa atcctggcac tttgggaggc 240
caaggtaggc ggaccacctg aggtccagaa gtttgagacc agcctggcca tcgtggtgga 300
aaccgccatc ttctacttaa ggnatacaaa aacttaattn ggggtattggt ggtggcacat 360
gcccgtaaat ccccgag 376

<210> 1447
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 1447
aattcggcag agctgagatg aggaagtata tatttgggta tcatttttac atcctgttga 60
aagctccagg aagagtgggc caattctaag ctgttcattt acagagaagt tgctctcacc 120
tttctcttc cttctaaatg aactttggag cctgatctt ctttgtaagg gacaaccaga 180
ccctccttc atgcattccc cttcagagtc gctgctagtt gcctggctcg agtgragtgg 240
catttttgaa ttttgccgc ttcagctgtc ttgggggcct nggggcgggc tcccacctct 300
ttt 303

<210> 1448
<211> 525
<212> DNA
<213> Homo sapiens

902

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (522)

<223> n equals a,t,g, or c

<400> 1448

```
ggcacgaggg cgtgagcact gcacccagcc aaaaatttta catcttttat agagggaaaa 60
aaactcttta taccatggca aggccttttc ttccacaaaa agctgggcct actgaacaat 120
tcaagctgtg cagtagtaga ctgaaagcag gatttggtga ggagttacag ctccctgtcca 180
gagcaaatcc tgtagtata caaggagaat gtaaacctgc cagcttagac agggatcagt 240
cctgagactg ctggcagtag caaatggcta ttagagtaac tgtataatgg ttttgcctgc 300
actttctcta tgtatataca aatgtacatg tataaatata aaaattaagk gatcatgggt 360
cttggttaacc tgtcccaagt gctgkgattc acacgcctga cactaaaagg ttcttcctgg 420
tccagtcagc cagctgtrac caccagcagc acagctgagt gctgagaatc tggctggaaa 480
ragaaatgtg gctcaagtgc tggctcacct nctagctgtg tnggg 525
```

<210> 1449

<211> 619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<400> 1449

```
ttaccattgg aatttaattt aagacaaatt tagtgtgaac agtgaattta tttaagacaa 60
anccttaaag attttagtaa taatgacctt agttttttca tgatgggccc ttaccacaa 120
aacctgcttt ggcatttggt taaccagac ctcatgctgg gttaaagtat atagatataa 180
cagtaattca gatttaatgc atatcttgga ttgggactga ctgaggaacc tcttgtttta 240
aagtgatttg tagtatatct ataacgtttg atccttttgg gtaaaatagt agctgacaaa 300
aaataaatac aaattaattt tcatgctcat ctttacctga aagactcaga tttctcttta 360
agccagctca ggaatattag gctaaaccca gctgttttgc agatgttctt actcagattg 420
aaacatcaat taattaacag gtatctattc atatttaact agaaccctgc taatgtagag 480
aaataatact tttttaggag atcttttttc agttctctct aaaatgtcat tttatataaa 540
tttctcttat atttttataa gattgtatac taggattgag gatgtatagg tacatattta 600
taggatgcta tcaatttgg 619
```

<210> 1450

<211> 316

<212> DNA

<213> Homo sapiens

<220>

903

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<400> 1450

```
ccntgnagta gctgggacta caggcacacg ccaccatgcc cagctcattt ttgtattttt 60
agtagagatg gggtttcacc atgttggcca ggatggctcc atctcttgac cttgtgatcc 120
gcccgactcg gcctcccaaa atgctgggat tacaggcgtr agcatncaag tctggcgaga 180
garattgttt ctagatgagg gtgggggagg gtgtccttag cccaaagctt gtgccagtct 240
ctatcagaaa taaatgcccc caaacctca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaa                                     316
```

<210> 1451

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<400> 1451

```
ctcaaataaa ggtttgcagt ctgtctaata aaaggatggg gcgtantgcn taaaatcaaa 60
agatttgtaa aaacaaagggt acttatttgc aaaagctggc taccctctaa gaaggtctca 120
gtctttacca accaccttat tgagcccagt aagggttgtn tcctctgtca atgttcgatt 180
```

904

```

atctccagga aaagagacca gatgcagccc accttccttc acctataagt acacacctga 240
agaggagcag gaattggaaa agcgggtgat ggaacatgat ggtcagtctt tagttaaatc 300
gaccattttc atctctccat catctgtgaa gaaagaagaa gccccccaga gtnaggcgcc 360
gcggg                                           365

```

<210> 1452

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1452

```

caagtcgaac ggtaacagga agaagcttgc ttctttgctg acgagtggcg gacgggtgag 60
taatgtctgg gaaactgcct gatggagggg gataactact ggaaacggta gctaataaccg 120
cataacgtcg caagaccaa gagggggacc ttcgggcctc ttgccatcgg atgtgcccag 180
atgggattar ctwgtwgggtg gggtaacggc tcaccwaggc gacgatccct agctgggtctg 240
agaggatgac cagccacact ggaactgaga cacgggtccag actcctacgg gagggccagca 300
gtgggggaata ttgcacaatg ggcgcaactg atgcagccat gccgcgtgta tgaagaaggc 360
cttcgggttg taaagtactt tcagcgggga ggaagggagt aaagttaata cctttgctca 420
ttgacgttac ccgcagaaga agcaccggct aactccgtgc cagcagccgc ggtaatacgg 480
agggtgcaag ckttaatcgg aattactggg cgtaaagcgc acgcaggcgg tttgttaagt 540
cagatgtgaa atccccgggc tcaacctggg aactgcattc gatactggca agcttgagtc 600
tcgtagaggg ggtagaattc caggtgtagc ggtgaaatgc gtaragattc gggaggaata 660
ccggtggcga agcggcccc tggacgaaga ctgacgtca ggtgcgaaac gtggggggagc 720
aaacaggatt tagataccct ggttattcca cgccgttaaa cgatgttcga 770

```

<210> 1453

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<400> 1453

```

agcctttctg ctctgaact aaaatcccta gccaaagacct tccacttggt gaatcccaat 60
ggacagaaac agcagctggg ggacgccttt ctcaaattgg ccaaacagcg ttcagtctgc 120
acttggggca agaataagcc tggaattggg gcagtgattt taaaaagggt ttgttggtca 180
ttgttacagt aaaaacattt aaaatgttga tagcacatat taacttacag tagrttgat 240
ayttgattga actgtaattg tttatttcag ttgtagttag attgagaagg ctggaaaagc 300

```

905

```

cttaattgca atagcckgga ttctttcttg ggttattatt caaaatTTTT gtcgtaatac 360
cgtactaatt tccmggacca agaaaaatcg garggcaata ggcctttggg aaattgtagt 420
atTTTatTTT cccgagaaaa atacagTTTT aagtgatcct tatgggattt ttaaggTtaa 480
ctatttagtc ccaattTTTt tTTtagTTTT ggTTtactna aacnaattat atccggcgTc 540
cttaagttgc aattttnccc cg 562

```

<210> 1454

<211> 1767

<212> DNA

<213> Homo sapiens

<400> 1454

```

aggccaagca tgcaggcagg cttgtaacaa actccttggc caggagctct gagaattagc 60
ttcacttccc tcagaaatgc cccaattccc tcctggaaga ggagctgtgt gacastcagg 120
ccagggggTc gggactcccc ccatctctc cgcacacaca tacccttgca cacataccca 180
gccacgtaca gctgggtggc tgtasgcaag tcatttttct actctgagcc tcagggtctt 240
cctctgtcca cctcccccca ggattamtgg cagaattagg tgtgagcttg catttaaaaa 300
gaggtttgtt ttgtaaaccc aggttttgca aattggcagc ccaagtctca ggggcctgtg 360
cagtgactga tcattaccaa catttcgaag tgagagatgt cacataaaga gcgtcatttc 420
gagcttctct tgaaaagttg taagggtgagc taccctggga ctgtattcct gaatggcaat 480
gtgatggcag agtcctgcag tattaccacc tgwggaactg tgcaccaggT tcccaccac 540
ccacttcagg cccttggttc agggatgtgc ccgtcatgga aatamcaggT gctgtggctc 600
tgctggTTTT ggctttcctt ctctgtaacc ttccaatctc tttctccttc caggTactgt 660
aaaccactta gtaattaatt agttaataaa ttcatctcat cagcactttt aaataatgtg 720
ctaggccaca ctgtcatgga cccagatat acagcagcaa acaaagcagc catggtacct 780
tccttcaggg agcagtcagt ccagtggagg agtcagatat gactcaccac acagatcgaa 840
aaatctycac aaattatgag aagaatgctg agggaagaaa gaacataggT ggaccgctgc 900
tgagtccagg ctacttgca gagatctatg ctggccaggc cctgtgctag gcagcagagg 960
acatggaata aaatcaaata aggtcactgt gtgcaggact cacggtgtgg taaaggagca 1020
gccccatcca caggttctat taattccagc ctgtgagaat tggaaccaca gggTgaattt 1080
tgaggagacag gcacttacac taatctggaa gcataatata taaagagTac ctacaaatca 1140
ataaaaaaaaa tagaaaaaaaa aagagcaaag tatatgaaca gaaaattcaa tgaaaaggaa 1200
atagaaatgg ctcttaaatt aatgaaaaca tactctcact cararaaatg aaaatttaac 1260
ccatgtcaar atacttgggg tgaaggaagt gttttaaaat tcgattgtgg tgatggttat 1320
aaccctataa atttactaaa acttattgaa gtgtaccttt aaaacaaatg aactttatag 1380
tatgtcagtt atatcacaat aaggctatTT taaaaataaa aacactttga gataccattt 1440
tatacctgtt ggtattagca aatgtcaaaa cactggataa tgcattatgt tcctaaaggc 1500
atggggggaga cggcctgggg caagcgTcca ctgatgcatt cttgggttgg ggtgggcaac 1560
aggacgctgt caaacataca aatacatTTa cgctytgagc tgggaattcc actcatagga 1620
cttcatctga tatatatgct ttacatctga aaaatgtata aggaaattca ccacagcctc 1680
atagattatg gcaaaagttt ggaaacaaaa gatgtttgtc tacaggTgaa argttatgcc 1740
actgtcaaaa aaaaaaaaaa gtcgagc 1767

```

<210> 1455

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (112)

906

<223> n equals a,t,g, or c

<400> 1455

```

gttttgttgg ctccgttctt gaggtgacac ccggttcacc ccacgtgtta aaccccgagc 60
cgcggttctgc cctgtgctgg atattgccta catccagcag cctcttgagg gnatggtttc 120
tggcctgcct ccgttgccag ggtcctcact ggtgtgacca accatytggc ttttaacact 180
aaaaagcccc acatcctgag gaatcccagg acacagaaaag tcctggggtt tgtcagtgat 240
gcagaagggtt ggggtgaaaag tatgaaaccc acacagaggg atgacagcac cattttagc 300
atcggttgga aatggcgtgg atgatctgcc tcgagtggtc actgtcgcca tgttgctga 360
cgtggatgct ggcatcagga cttgtgattc accatggatc 400

```

<210> 1456

<211> 1012

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<400> 1456

```

tntgtggcag aaaaatatgt tttccaggta gtttttacta ctacagagag tctgtaaata 60
agtgtcttaa aaaaataaca aaccaataag atatttgyt cctatataaa cattctgtgt 120
atttagcact tggaaaatca acaaatccag aatttaaaaa aatgccacag acttttcaaa 180
gccaactgt acttttttga gaattgtccg tacctactaa tatgccttat tcttcttcac 240
ctagtgtttt aaaagtcctg ggtagaaaga gttttagaaa tgtaatcagt tgttcagctt 300
caataatata gagatctaac atagtcagtc ctcaggcccc ctaaagaaac aagcaagaaa 360
gtgagggcca tcactagggt tggctttggg gaggggaaaa ctaaggactg cttttgccaa 420
atgatatttt tgataatgta aggaaacaca gggaccacaa aacctttttt tttttttaag 480
tgtgaaagat tagtgccctt tggcatactt ttgattttag aggatatagt atcggcattg 540
acaaatcacg tagaaacaaa gaatgctata gatgacaaca gtattaaatg ttactcctga 600
ttctgcagaa cagcttttga agatactggg ggggtatctt aagcctcaga gcagcttggt 660
tcagatagaa attctctatg ggttgaaatg caaaaaacag aaaacatgat gttgactcat 720
gtaatttagt ccatttttagc agagccttta gtgttaacac cagtggcgag gagcattgca 780
tattctctgt cagcagcagc actcccacac caggtgggtc tgggctctct gtaggctggg 840
cctagtaggt gacaccagc aacacccctg ttggacagga ttgattgttc gcagcttag 900
accaacactt cagtcagaaa tgttactggg aggaggaaa gaaaatactt tttttcctcc 960
atgtggaaat gaggagagag gaaagtggat tggaaaacca aaatgtgagt ca 1012

```

<210> 1457

<211> 637

<212> DNA

<213> Homo sapiens

<400> 1457

```

ggttttcatt gacactcttc cctcctccca cctgccacca ggcctcacca aagccactg 60
ccatggggcc atctgggcca ttcagagact ggagtgatg ttgggtgtgg agggggaggc 120
gccaagggtg aggagcttcc cactccagga ctgttgatga aaggacaga ttgaggagga 180
agtgggctct gaggtgcag ggctggaagt ccttgccac ttcccactct cctgccccaa 240
tctatctagt acttcccagg caaataggcc cctttgaggc tcctgagtgc cctcagatgg 300

```

907

```

tcaaaaccca gttttccctc tgggagccta aaccaggctg catcgaggc caggaccgg 360
atcattcact gtgataccct gccctccaga ggggtgcgctc agagacacgg gcaagcatgc 420
ctcttccctt ccctggagag aaagtgtgtg atttctctcc cacctccttc ccccaccag 480
acctttgctg ggcctaaagg tcttggccat ggggacgccc tcagtctagg gatctggcca 540
cagactccct cctgtgaacc aacacagaca cccaagcaga gcaatcagtt agtgaattga 600
atggaaataa acgcttttagt tataaaaaaa aaaaaaa 637

```

<210> 1458

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c

<400> 1458

```

cnaccctcac taagggacaa agctggngct ccaccgcggt ggcggccgct ctagaactag 60
tggatcccc gggctgcagg aattcggcac gagtcttttc agactcagcc cacttgcacc 120
caagtraatt aacagccttg ttgctcacac aaagcctgtt taggtggtct tctataygga 180
catgcktgac acttggtgcc aaaatctggg ccagggggac tccttygtga gaccggcccc 240
ctgtcctggc cctcaytccg tgaagagatc cacctgcgac ctggggtcct cagaccagcc 300
caaggaacat ctcaccaatt tcaaatcgga tctcctcggc ttagtggctg aagactgatg 360
ctgcccgatc gcctcagaag ccccytggac catcacagat gccgagcttc gggtramctc 420
tacggtggag gattcccagc catatgaaga camcttagyt ggacgwcat ccttgtcaaa 480
agtctgaccc ytcaaaytyt acagcytcaa tgggaccaga cctaccggtc atttttagna 540
ca 542

```

<210> 1459

<211> 531

<212> DNA

<213> Homo sapiens

<400> 1459

```

atatccgact cactataggg aaagctggta cgctgcagg taccgggtccg gaattcccg 60
gtcgacccac gcgtccggaa tcctaggcct aagattcttc atgtaaaaat tataagactg 120
aataaagaat cttaggccta ggaggagaaa atgattttct ttctattacc taactagatt 180
ggggcatatt tctgataaag acccacctct agtgagattc atcttttttg tttgtgtgac 240
tatattccat agagaagaaa gatgggatag ctcaacttca ttatatacca aagcaaaaca 300
catgccaaat gatgactaca ttttaccac atatttagac gagtattctt gactagtgtt 360

```


908

tactatctat acccccaaaa ctactactat atagacagaa tggaaagtat ttctatttgt 420
cctttttttg ttttctgttc taattgtcag ggacatatgt agtggctata ggtttactta 480
aaaggaataa atttggaatg ctcmaaaaaa aaaaaaaaaa aaaaaaaaaa a 531

<210> 1460
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1460
tattcacgtc cccaggctca ttcttcagcc tcaggaggaa ttagaaggtc ttcatctatg 60
tcttatgttg atggcttcat agggacatgg cccaaagaga aaagatcatc agtgcattggc 120
gtatcatttg atatttcttt tgataaagaa gatagtgtac agagatccac tccaaaccga 180
ggaatcactc gttctattag taatgaagga cttactctga acaacagtca tgtatctaaa 240
cacattagga aaaatttgtc cttcaagcca ataaatggag aagaggaagc agagagcatt 300
gaagaagaac ttaatataga ttctcacagt gacctcaaat cttgtgtgcc ccttaacaca 360
aatgaactaa attctaata gaattattcat tacaagcttc caaatggagc tttacaaaat 420
agaatacttc ttgacgagtt tggcaatcag atcgagacac caagcattga agaagcatta 480
caaataattc atgatactgn naaatctcct catacacctc agccagacca aattgctaata 540
ggcttctttc ttcatagtca aggaatgagt atcttaaat canatatcaa gttaaataca 600
tctagtc 607

<210> 1461
<211> 121
<212> DNA
<213> Homo sapiens

<400> 1461
caggaaggat aagccatgtg gggctctagaa ctgagggtc tagacttcca gccagtgct 60
ctctctgtc taccatgttg cctctagttg gagagacagg gcagaagtga tggtaaagaa 120
g 121

<210> 1462
<211> 706
<212> DNA
<213> Homo sapiens

909

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (699)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (702)

<223> n equals a,t,g, or c

<400> 1462

```

gctgtcacag gccatggatg ctccatggag ggggtggtgag catatgaata acaatcaaga 60
gaaacatcgg taatggacag gaggcacaa taaacaatgt ccaccctcct ctaaaacca 120
ggaaagtctt cattcaaaag acgatgtctt gaaggaaacm taggtacaaa tctttgtgay 180
tttgattag acatttttta agtaggcaca aacaaccgaa aaatagataa atggacttca 240
ttaaaataaa aaacttgtat gcttcaaagg acactgtcaa ggaagtgaaa agataatcca 300
cataatggga gaactatttc caaattgtat gtttgacaca ggtctagtac ctagagtrta 360
taaggaattc atataactga gcaataaacg acaaccacat ttaacaatgg ggaaaaaaag 420
ctgtgagtag aggtttctct aaaggaaaca cacaatggc caagaagcac atgcaaagat 480
gttcaatgtt tttcgtcatt aggaaaatgt aaattttaa caaaatgaga taccacttca 540
maccagcag tatgacttaa gaaaaaatw aagacmacac atgtttcaaa agtgatggag 600
aatatggaat tctcatatat tactattggg gaatctaaaa tgatrtagct ctgaagttag 660
taaacagtgt gtgagttcct tnaaaaagtg aaaccttana gnggcc 706

```

<210> 1463

<211> 1765

<212> DNA

<213> Homo sapiens

<400> 1463

```

gagaaaacaa ttctgaccgg agaatgctgt tacctgaacc ccttacttcg aaggatcata 60
agattcacag ggggtgtttgc atttggactt tttgtactg acatttttgt aaacgccgga 120
caagtggta ctgggcactt aacgccatac ttctgactg tgtgcaagcc aaactacacc 180
agtgcagact gcyaacgca ccaccagttt ataaacaatg ggaacatttg tactggggac 240
cgggaagtra tagaaaaggc tcggagatcc tttccctcca aacacgstgc tctgagcatt 300
tactccgcct tatatgccac gatgtatatt acaagcaca tcaagacgar gagcagtcga 360
ctggccaagc cgggtgctgt cctcggaact ctytgacag ctttctgac aggcctcaac 420
cgggtctctg agtatcgga ccaactgctg gacgtgattg ctggtttcat cctgggcact 480
gcagtggccc tgtttctggg aatgtgtgtg gttcataact ttaaaggaa gcaaggatct 540
ccttccaaac ccaagcctga ggatccccgt ggagtacccc taatggcttt cccaaggata 600
gaaagccctc tggaaacctt aagtgcacag aatcactctg cgtccatgac cgaagttacc 660
tgagacgact gatgtgtcac aagctgtttt taaaatcat cttccaattc tatacttcaa 720
aacacacagt tgctcaatgt caaactgtga tgacaaatat tacgtttatc tagttagaag 780
ctaattgttt gtacattttt tgtatgagga agtgatgtag cttgccctga tttttttttt 840
tttttttttg gtcagcttta atatatatat gccagaattt taaaaccaac aaaattttct 900

```

910

```

tggtcaagcg tgcattgaag aaccacattt attcaatggg tgaygttggt ttgtgatatt 960
tgtacacaaa ttttcttttc tcagttttat aaacacagaa tataacaatt cacttttaac 1020
ttttattacc acagttgctg cctcctccag aatttttgaa ttttaataaa aggcaaactt 1080
ttgagctgca ggaaggacaa tgttggttaa taataaatct caaagtcaat tgtagaaaaa 1140
aaattgtctt caaaaagaat gttgcaactt gatctcttaa caaattgtta cgttcaaagt 1200
ttaaagtgat atattaacar agtcacctag ttatacaaac aattgtcaga gaattctgga 1260
tttgaggggg attgggggta tatgattctt tcttagataa tggcctctac taaataactc 1320
aagatctttc tggaatgtct tctggcaggg aggtgccact gtcagctttt ctccaaaaag 1380
cagccaacat cagcctccc tgtcaactca acagttttgt atctcatatt atatggactt 1440
tatatgaaaa tgaatatatt acagtttgca cagtattatt ttacagaaaa ggaatcagag 1500
aatctacaac atagggcccc agaacaacag tttcactttg tggcttttaa ttattctaga 1560
attttaactg catctcattt ttctagcatg gtgagaacta atatgtaact cctttgattg 1620
aaggagctct tttgtccgta cctatcagaa tgttttcttg acacttccat gttggctctt 1680
ctcagctttt tttgtacata tttttttttt ctaaagagaa gaaaaagtta tcacaaaatg 1740
taaaaaaaaa aaaaaaaaaa aaaaaa 1765

```

<210> 1464

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1464

```

ggaaaacctt tagacttttt ttagcaatta gtttgacatt cgctactata gtaaccaagc 60
actcattata tatgcatcct ccaaagtgtt catgcttatt tataggaaag ttatattaat 120
gagattaata atgtgaaata cagttttcct gcaaaattag cattagagaa ttgatttttag 180
ataacagatt tttaaagtgt tagagaaaag tacagtaata cagtaaaactg aargagtata 240
tagatagcaa taaaataaca taagtggaca tgtttatagt aaatactctg aagtaaacam 300
ccgtttttat taactgcate tcattaggga aagtttatat gtcttggtat tttttattaa 360
catttttatt accattcaga gtgaaaatta ctaatttgrg tattaacaaw taactgrata 420
aatggtcatt acagttaggt tttcccaaatt tgcmaaattt gccttaggca ttatc 475

```

<210> 1465

<211> 198

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<400> 1465

```

tggcaggggc actggcccg cccgcacctt cctagcagcn agttacccaa gaggaagctg 60
ccttggsct ccagaccgtt aaatgccaac tcttggttc cggtatcagg ctgggttgac 120
ctgacctggc cccttcttgc tgggccctgc agctttctaa cttgccgggn ggagcagtga 180
caccgcggcc acatgtgg 198

```

912

<400> 1467

```

ggcctntatt ngaaagtcca tcnggttcct aacagnctt cctctttcca gggctctcca 60
tggcgtgcgg aacttcccag ggnaacgtga aacctgtccg cagtccytgc ccytgccctt 120
tctttkggag acgtgtgaaw gagcmgcasc cactttaatg tgaggccasc catataaaca 180
atraactttc acttscgcm ggaggtcata aactcaggtc accaaagaat tctagcttca 240
gctcttggtt tagtaatgta ccaagtttgg tattactttt tgtttgttt aatcaggttt 300
ctgccctcat cttctatttg ggaaattaaa actgggtctgt tggcatggct ggtgactgag 360
cggcaggcac attcttagtc tctgactttc tgcagccatc tttgagtgea tataagtgtt 420
gggtaacagt ctactgaatg tgctacaagt gtgcgagggt gtgttcatct ttaacttgtt 480
ttttttaaaa aacactctct tggtaaatg ggatctcctg ttgaaaactg tatttgtttg 540
gcagttgagt ttatgcctgg agcccctaga gcacatttaa ctggttggtg gtcagttgta 600
ccatactgaa aaaaaaaaaa aaaaaaaaaa tggggggggc cgaccccat 649

```

<210> 1468

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<400> 1468

```

tccagtatth tcgggggctg gtggacgcgt gggcgatagg gtgctgtcct tggggtgctg 60
tgtatatggg atgatgacgc ttatcagcay tatctagtc tttccacccc gaaattcgcc 120
ccgattaaaag actgwggttg attatcaggt aatgagatgt gagggagggt ctttgaaagt 180
ggaaaacctg ggcgtcgagg ccactgtgcc atcttgggnc ctcagtttcc ttatctgtga 240
aatgaggggtg aatgtaaagc tgctatgtaa aatgtaaagc tctacataaa ccactctctg 300
cattactttg gatatatgag aatattaacg tttgacgtct acgagactag atcccattcg 360
agcatcacct cccataacct tacagactaa cccctctttt aaatctcagt ggttcgtaat 420
cttacagact aacccctctt ttatgtctca gtggtcttgc agctggcttt tggtcatta 479

```

<210> 1469

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 1469

```

gtatccggat gggctcattt tatatgtgtt ttaaactctg agctagaagg caacactact 60
ttcttgtgaa gcacaccatc tgtccttggc cctaggaggc tcttgccgtc ggtcactggg 120
tcccctgatg caccctttc aacagacttt tcattttggg gtacgtsctg acttcctggc 180
actgcagggt gctccagcct cctcttgcct tccctgccct ggcccgggaa tcagcccctt 240
ctccaaggag ccccggttcc ttttattggc aagtcttaag agagtgaggc ctgggtgcca 300
ggcaggggag cccaggtcct tttattggga agtcttagag agtgaggcct ggggtgccagg 360

```

913

tggggtgccag gtgggtncgg tgctgctggg atgttgtca

399

<210> 1470

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1470

ttaaccctca	ctaaagggaa	caaaagctgg	ggctccaccg	cggtgacggc	cgctctagaa	60
ctagtggatc	ccccgggctg	caggaattcg	gcacgaggac	tagtccgagt	tttttttttt	120
ttttttttta	aaacaaatac	ttttattgca	catttataaa	atctgcatag	ttgtatcaat	180
ttttttccct	ttcatgatcc	cattaatctt	taaaatttgg	ttaaaacaca	atatccaatc	240
agaagccttt	taaaaatgat	caatgggaag	tatttttctc	tacatatata	tatatatata	300
gttttgcata	tgtatgctgg	tttttttttt	tttttttttt	gtacaaaccc	acatccctta	360
cttttaaggg	caaaaaagaa	ggcsggggtac	gatgacttgt	ctgcaatccc	agactttggg	420
aggctgaggg	aggcagatag	atcacttgag	gccaggagtt			460

<210> 1471

<211> 2007

<212> DNA

<213> Homo sapiens

<400> 1471

tacattggaa	caagaacaag	aagcactagt	taatcgcttc	tggaaaagga	tggataagct	60
tgaagctgaa	aagcgaatcc	tgcaggaaaa	attagaccag	cccgtctctg	ctccaccatc	120
gcctagagat	atctccatgg	agattgatcc	tccagaaaaat	atgatgcgtc	acatcagggt	180
tttaaagaat	gaagtggaac	ggctgaagaa	gcaactgaga	gctgctcagt	tacagcattc	240
agagaaaatg	gcacagtatc	tggaggagga	acgtcacatg	agagaagaga	acttgaggct	300
ccagaggaag	ctgcagaggg	agatggagag	aagagaagcc	ctytgtcgac	agctctccga	360
gagtgaagtc	agcttagaaa	tggacgacga	aaggtatttt	aatgagatgt	ctgcacaagg	420
attaagacct	cgcactgtgt	ccagcccgat	cccttacaca	ccttctccga	gttcaagcag	480
gcctatatca	cctggtctat	catatgcaag	tcacacgggt	ggtttcacgc	caccaacttc	540
actgactaga	gctggaatgt	cttattacaa	ttccccgggt	cttcacgtgc	agcacatggg	600
aacatcccat	ggtatcacaa	ggccttcacc	acggagaagc	aacagtccctg	acaaattcaa	660
acggcccacg	ccgcctccat	ctcccaacac	acagacccca	gtccagccac	ctccrctctc	720
acctccgccca	cccatgcagc	ccacgggtccc	ctcagcagcc	acctcgcagc	ctactccttc	780
gcaacattcg	gcgcacmcc	cctcccagcc	ttaatgcatg	agcttagtct	gaatttcaag	840
wtgggactca	tcmaatggag	ccgtctactc	aaamgcaaag	gcttccttct	ctggcatatt	900
tggatatgac	ttatttgac	tgaggttatc	taggcttcac	tatccattgt	gttgtaaagt	960
tttgtcagaa	atgcagccag	tgttgtgggt	ctacaacact	aaccagacga	ctttttccat	1020
cagtgttwt	cttgaatctt	catgtacgtc	cattccctgg	ctggaacctt	cgctgtttgg	1080
tatttggtat	ttcagcagca	gtgtgcaatt	tttgcttggc	ccagagcttc	attctcctgg	1140
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gaaaattact	gagctgttgt	taccctcttc	tcattataat	agtgtttacc	aaacatacca	1260
ataattcagc	actacaattc	agacctttga	aaatctggct	ttcagtgtag	aacagaaagt	1320
tagatgaatc	agtgcceaag	acataatttc	tgtttaacag	aactttctac	agatacatct	1380
tttacagggt	attttcattg	tgttattgac	atccatgtct	ctcgtaaaac	agatggccca	1440
aagtaatgaa	tcattgtggc	gtaccttctc	cacataaatg	ggatggataa	ttatcgtata	1500
ttaagatgtg	attctctttt	ttatccttaa	tgttaatcta	cttaacctgg	ccccctctaa	1560
catgagtcga	taaatgttgt	cctactcacc	ggtggtttca	atggctaatt	agaatgtgtt	1620
atgtgatttc	tgctgcagaa	ggcagtggtg	ttgtaacaaa	aacaatgcgg	cttccccctt	1680

914

```

tcgtacttca tttgtgttct cttaaaatag agtttgaaca aatattttta aggtgcaaaa 1740
taccattaga aaatactatt tgaaatggac attatcgcat tatcttggca taatggccag 1800
aaaatattgt attgcttggc agaaaagaaa ataaggtcta aaggaaagta gcacattagc 1860
attgatggct gttcatttca cccagtataa gcaagtgcag tgtacaaaga agtatattct 1920
gaatacatta tttccattca ttttagcacia ataatcatt tggtttctact ttgmagtggg 1980
aaaaaaaaa aaaaaaaaaa aaaaaaa 2007

```

<210> 1472

<211> 400

<212> DNA

<213> Homo sapiens

<400> 1472

```

acagagcaag actccatctc aaaaaaaaaa aaaaaagact taacagagca tttcacgggg 60
aagggccatg agggaaacat accygggtga tggtaacatt ctgtatcttg ataaggattt 120
gagttataca agtatataca tctgtcaaaa ttcaaagaat gtacactcaa gatctgtgca 180
tttcattata tgtaaatgtt acmttaaaat gttgtaaaca aatattgaac aaatatacgc 240
atgctaaagt atttaagagg aagtactggg gtctgcaaaa caaaaatttt ttttccattt 300
tctgtggtaa aatatacata atataaatgt attattttta gtgtacaatt cagtggcatt 360
aaatacactc agaaagttrm aaamaaaaaa aaaaaatttc 400

```

<210> 1473

<211> 1278

<212> DNA

<213> Homo sapiens

<400> 1473

```

tcgacccacg cgtccgcatg gagcacctgg agtgttctgt ctggaatgct ggctggggagc 60
cttctccttg catttgaacg aggggcagct gtgtcctctg tttgccgtgt aaagaaaaga 120
ggacagagct cagaggagat gaacccacgc agaaaggggt gcttgaccag caggagagaa 180
gataaccaag agggctctgt ggtgtctctt ctgagctaca ccagtttcca ggttacctgg 240
gaccatggat aactctcaga tcagcaactt gtcagttgat ttccaagctg ctggttggtg 300
gactcagact cagcagggag cacctggggc agccctgtgc tgcgggctgg actccggccc 360
atctcgctga ttactcttgc ttttgctccc cagtgtgtcc tcaagaggct agagcctgct 420
tgtttgttct tcatgaccac gggaggaggg gcaccaacat gagggtgcta gcatctcccc 480
agtgggtggc tcccagggtc ggggaaaccc tgggggaggg gttgggacag ggacctctgt 540
cgcttgctgc cactgcctgg gtcaactgcc tggcaaggct ggccgctcgt gctcagaaaag 600
ctgaggcctt acctgccttc tcctctcacc cagcgcccat gtaaggacac atctgarttg 660
gcattctgtg tctgtctctg arctactcgc atgataagtc tttgttgtcc tgtgggatgt 720
caccggttca tgctgaagag aaattgtaaa ggactccttt gcctgctcag gccccatggy 780
ctctgtcatg ttttgtcccc gtcccttttg garcacagca gcagtgggct ggctggactg 840
tgcaggcgag gttcaaggat gargtacagt tgtgtgaaag gtgagcctgc tggaccgggg 900
agctttcctc aaggcctccg cctggctatg atggcgtag ggttgagggg aagcttcctc 960
caaatgcac agtacttggg tgtcaagatg atgttgctgc tctcaggatg agtcactctc 1020
caccactgac ttcttttgat gttctgagct cagcctggag tctgamctgg gactatagca 1080
cttgttctcc caaggtaagg ctggcggsca aaccagtgcc gcacacctga acctgctcct 1140
tggcagarat gaaggcgctc atgtttcgta gccactcaac acccatggac aatttggtc 1200
cttgtaaga ctwakgcag cctttgaact gacttacttg aaatataatt gskccyattt 1260
tgctccaaag aacaatgg 1278

```

<210> 1474

915

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1474

```

gaattcggca cgagaaaggc aggacctcga ggcgcggccg cgcgaggtga cgggagtcac 60
agttcccgcga ggcggcgaca gcagagcgcc cactgcctcc agcagattaa tattaagatt 120
ggaagtttgt gtcttttgct ggatattgga aattgaatgt aatggcaaca gaatttataa 180
agagtttgctg tggaggatgt ttctatgggtg aaacagaara acacaacttt tctgtggaaa 240
gagatttttaa agcagcagtc ccaaatagtc aaaatgctac gtatctctgt acctccattg 300
acttctgttt ctgtaaagcc tcagcttggc tgtactgagg attatttgct ttccaaatta 360
ccatctgatg gcaaagaagt accatttggtg gtgcgcaagt ttaagttatc ttacattcaa 420
cccaggacac aagaaactcc ttcacatctg gaagaacttg aaggatctgc aggag      475

```

<210> 1475

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<400> 1475

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cgccattttc cccacagggg cgaggaggcg gctttggttc tcccgggtggg cttgccggag 60
tgcgttctgc agaccagaag ggctttgtct ggcgattgct gaatgctcaa tagcagcctg 120
ctgggagggga agtcgaaggg agaaatagga cagaaagaga gacctgacct ctccctggag 180
gctctcagtg tcggccgagg cccttggtct tgctctaggg ctctgcattc ccgagagctg 240
ctgtatgccg gggattggct tccaagcctg cctgagcttc tccagtctcc cgggcatcgc 300
catgcggtgg gagggtgagc ctccctctcc tgctgaaatt ccggcggcct ggcaaccggc 360
cggggggtct tggattcctc ggggagacam cactgatgct ttgtggtttc acgtaatttg 420
gatttaaaan ttgaaggcgt ca      442

```

<210> 1476

<211> 1019

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (898)

<223> n equals a,t,g, or c

<220>

<221> misc feature

916

<222> (931)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (973)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (995)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1004)

<223> n equals a,t,g, or c

<400> 1476

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tccggtaccg gtccggaatt cccgggtcga cccacgcggt tntaaaaacc acgtttcttt 60
gttgagctgt gtcttgaagg caaaagaaaa aaaatttcta cagtagtctt tcttgtttct 120
agttgagctg cgtgcgtgaa tgcttatttt cttttgttta tgataatttc acttaacttt 180
aaagacatat ttgcacaaaa cctttgttta aagatctgca atattatata tataaatata 240
tataagataa gagaaactgt atgtgcgagg gcaggagtat ttttgtatta gaagaggcct 300
attaaaaaaa aaagtgtgtt tctgaactag aagaggaaaa aaatggcaat ttttgagtgc 360
caagtcagaa agtgtgtatt accttgtaaa gaaaaaaatt acaaagcagg ggtttagagt 420
tatttatata aatgttgaga ttttgacta ttttttaata taaatatgtc agtgcttgct 480
tgatggaaac ttctcttggt tctgttgaga ctttaaggga gaaatgtcgg aatttcagag 540
tcgcttgacg gcagagggtg agcccccgtg gagtctgcag agaggccttg gccaggagcg 600
gcgggctttc ccgagggggc actgtccctg cagagtggat gcttctgcct agtgacaggt 660
tatcaccacg ttatatattc cctaccgaag gagacacctt ttccccctg acccagaaca 720
gccttttaaat cacaagcaaa ataggaaagt taaccacgga ggcaccgagt tccaggtagt 780
ggttttgcct ttcccaaaaa tgaaaataaa ctgttaccga aggaattagt ttttcctctt 840
cttttttcca actgtgaagg tccccgtggg gtggagcatg gtgcccctca caagccgnac 900
ggctgggtgcc cgggctacca gggacatgcc ngagggtcgc atgacttgtc tctgcagggc 960
gctttggtgg tgnntaactg gctaaaggtt accgntgaag gcangtgcg taactggcc 1019

```

<210> 1477

<211> 857

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (820)

<223> n equals a,t,g, or c

<400> 1477

```

tgaaatgccg cttattcagt tttaagtact gacctgctaa gtaactagta attccagact 60
ccctagaaga ggttgttctc tttttcccta atcataatcc ccacttgcta aaaccaaaatt 120
catctaagcc atctattttc tgcaggatac atgtaaaatct tagaggatta tcccagcact 180

```


917

```

gagcagatga tagatcaaac agatctctct tcatagttct gtggatgaaa aaacagtatt 240
tacacataat ctgtattatt cacattgcca ggctaaattt tckggaycat tgktacycyt 300
cygttttttg tatagttgta acagagtaty ctttaaatac atttttatgg catgcctatt 360
atgtacaaaa caccacaaag cttatgtagg taagtgatac ataggcccct acctcaagga 420
gcttactgtc tgaacagggg agaggtgtgg tgaaggatgg acaaattata tgtatttgta 480
agagtatata atttatggta aaacaatttc aagaaaggat taaaccatgt gttataatgt 540
ttcaaagaag ggagagatta taaaccactg gggtaaaagg ataggcttct tggaggaagt 600
gacatttgag atatatcttg gatgaccgat cagattccca tagaagaggt ctgagaaaag 660
ggcattccat gtagaaggaa tgacaagagc aaagacatag agagttaatt agaaaatgct 720
tgtcatttat ttcataattc gggggaaatt attttgtttt ataacacttt taaaaaatat 780
ttagctttgc agttcctgac cccttaatgc ctgacccttn caagcaacca aagaaccagc 840
ttaatcctat tgggttcc                                     857

```

<210> 1478

<211> 2771

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<400> 1478

```

nttgaggttc tgggggtcct ggagacttac cattgagcca tgcaatctgg gaagcacagg 60
aataagtaga cactttgaaa atggatttga atgttctcat cccttttgca gcttttcttt 120
ttggctctct catgtccttg gcttgctcct ctattctacc tctctttctc cagcaataat 180
atgcaaata agacatgtat ccataagaag gagtgctctt catcaactaa tagagcacct 240
accacagtgt catacctggg agaggtgagc aattcatatt caaagggtgc aaagtgtttg 300
taatatattc atgaggctgg aakkaagaag aattaaaaat ttgtcctaata tacaatgaga 360
accattctag gtagtgatct tggagcacac atgaataact ttctgaagggt gcaaccaaata 420
ccatttttat ttctgcctgg cttggtcacc tctgtaaagg tttaacttag tgttgtaag 480
taacagttac tgaaagagct gagaaaaaga acaatgaaca gcaacgatct tgactgtgca 540
actcagacat tcctgcagaa aagacatatg ttgctttaca agaaggccaa agaactatgg 600
ggccttccca gcatgtgact gttcattgca tagaatgaat taaatatcca gttacttgaa 660
tgggtataac gcatgaatat ttgtgtgtct gtgtgtgtgt ctgagttgtg tgattttatt 720
aggggcatct gccaatctct tcaactgtgg ttcttctctg actttgcctg ttcacatctt 780
aaggaggcta gatccttcgc tgacttcacc attcctcaaa cctgtaagtt tctcacttct 840
tccaaattgg ctttggtctt ttcttcaacc tttccattca agagcaatct ttgctaagga 900
gtaagtgaat gtgaagagta ccaactacaa caattctaca gataattagt ggattgtgtt 960
gtttgttgag agtgaagggt tcttggtcct tgggtgcctga ttaaggcttg agtattaaagt 1020
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tgacttgtag aacttaaagt aatcgagcta tgccaacttg ggggtggtaac agagtacttc 1140
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acacatggct ctcaactgag aagctcacct gtgctgaatg tccacatggg cactaaacat 1260
gttatcctta aacccccgt atgcctgagt tgaaagggtc ctctcttatt aggttttcat 1320
gggaacatga ggcagcaaat ctattgctaa gactttacca ggctcaaata atctgaggct 1380
gatagatatt tgacttggtg agacttaagt aaggctctgg ctcccagggg cataascaac 1440
agtttcttga atgtgccatc tgaraaggga gacccaggtt rtgagttttc ctttgaacac 1500
attggtcttt tctcaaagtt cctgccttgc tagactgtta gctctttgag gacagggact 1560
atgtcttata aatcactatt attttctctg tacctagcat gggacaagta cacaacacat 1620

```

918

```

atttgttcaa tgaatgaatg aatgtcttct aaaagactcc tctgattggg agaccatata 1680
tataattggg atgtgaatca tttcttcagt ggaataagag cacaacggca caaccttcaa 1740
ggacatatta tctactatga acattttact gtgagactct ttattttgcc ttctacttgc 1800
gctgaaatga aaccaaaca gccggttggg ttccacaagt caatatatgt tggatgagga 1860
ttctgttgcc ttattgggaa ctgtgagact tatctggtat gagaagccag taataaacct 1920
ttgacctgtt ttaaccaatg aagattatga atatgttaat atgatgtaaa ttgctattta 1980
agtgtaaaagc agttctaagt tttagtattt gggggattgg tttttattat ttttttcctt 2040
tttgaaaaat actgagggat cttttgataa agttagtaat gcatgttaga ttttagtttt 2100
gcaagcatgt tgtttttcaa atatatcaag tatagaaaaa ggtaaaacag ttaagaagga 2160
aggcaattat attattcttc tgtagttaag caaacacttg ttgagtgcct gctatgtgca 2220
cggcatgggc ccatatgtgt gaggagcttg tctaattatg taggaagcaa tagatctcgg 2280
tagttacgta ttgggcagat acttactgta tgaatgaaag aacatcacag taatcacaat 2340
atcagagctg aattatcctc agtgtagctt cttggaattc agtttctgga actagagata 2400
gagcatttat taaaaaaaaa tcctgttgag actgtgtctt atgaacctct gaaacgtaca 2460
agccttcaca agtttaacta aattgggatt aatctttctg tagttatctg cataattctt 2520
gtttttcttt ccactctggct cctgggttga caatttgttg aaacaactct attgctacta 2580
tttaaaaaaa atcagaaatc tttcccttta agctatgtta aattcaaact attcctgcta 2640
ttcctgtttt gtcaaagaat tatatttttc aaaatatgtt tatttgtttg atgggtccca 2700
ggaaacacta ataaaaacca cagagaccag cctggaaaaa aaaaaaaaaa aaaaaaaaaa 2760
aaaaaaaaa a 2771

```

<210> 1479

<211> 2065

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1984)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2040)

<223> n equals a,t,g, or c

<400> 1479

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gcacaatgga tgaagaagag aaggatgatg gtgaagctaa agaaatttct acacctacc 60
attgggtctaa acttgatcca aagacaatga aggtaaatga cctccgaaaa gaattagaaa 120
gtcgagctct tagttccaaa ggattaaaaat ccagttaat agcccgattg acaaaacagc 180
ttaaagtaga ggaacaaaaa gaagaacaga aggagttaga gaaatctgaa aaagaagagg 240
atgaggatga tgataggaaa tctgaagacg ataaagagga agaagaaagg aaacgtcaag 300
aggaaataga acgccagcgt cgagaaagaa gatatatatt gcctgatgaa ccggccatca 360
ttgtacatcc aaattgggct gcaaaaagtg gcaagtttga ttgtagcatc atgtctttga 420
gtgtcctatt ggactacaga ttagaggata ataaagaaca ttcatttgag gtttcattgt 480
ttgcggaact tttcaacgaa atgcttcaaa gagattttgg tgtccgtata tacaatcat 540
tactgtctct tcctgagaaa gaggacaaaa aagaaaagga taaaaaaagc aaaaaagatg 600
agagaaaaga taaaaaagaa gaaagagatg atgaaactga tgaacaaaaa ccaaacgga 660
gaaaatcagg cgatgataaa gataaaaaag aagatagaga tgaaaggaag aaagaagata 720
aaagaaaaga tgattctaaa gatgatgatg aaactgaaga agataacaat caagatgaat 780
atgaccctat ggaagcagaa gaagctgagg atgaagaaga tgatagggat gaggaagaaa 840

```

919

```

tgaccaaacg agatgacaaa agagatatca acagatactg caaggagagg ccctctaaag 900
ataaggaaaa agaaaagact caaatgatca caattaacag agatctgtta atggcctttg 960
kttattttga tcaaagtcac tgtggttacc ttcttgaaaa ggatttgga gaaatacttt 1020
atactcttgg actacatctt tctcgggctc aggtaaagaa gcttcttaac aaagtagtgc 1080
tccgtgaatc ttgcttttac cggaaattaa cagacacctc aaaagatgaa gagaaccatg 1140
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cagtaaagca ggaatcaaag gatgtggaag aaaatgttgg cctcattgtg tacaatgggtg 1260
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tcctagcctt caaattatta aacactcctt gagtgaaata attttgcatt gcaaagtgtt 1860
ttaggatgaa ctttgktata gttttaactc caataamgtt catcagttta attgactgta 1920
gtattttaatt accaaatttc ttttattaaa atgcctagaa atttttaatt tatagaatta 1980
ttanggttta aaaattttta gtctctgggt aaaattcagt caaaatcata aaatacatgn 2040
gcttaaat tgcagggttt tgaac 2065

```

<210> 1480

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (602)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (642)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (659)

<223> n equals a,t,g, or c

<400> 1480

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gaaaaacaag ctgagatcct ggaatatgca tatcatggac agatcgccat tgttgcccc 60
gaagcccttc tagcagggca caattatacg ttgaagatag agtactcggc aaatatatct 120
agttcttatt atgggtttta tggcttctcc tacacagatg aaagtaatga gaaaaagtac 180

```

920

```

tttgcagcaa ctcagtttga acccctggca gcaagatctg cttttccttg ttttgatgaa 240
ccagcattta aagccacttt tatcatcaag atcataaggg atgagcaata caccgcttta 300
tcaaatatgc ctaagaagtc atcagtcgtt ctagatgatg gacttggtca ggatgagttt 360
tctgagagtg tgaagatgag cacttacttg gttgctttca ttgtgggaga gatgaagaac 420
ctgagtcagg acgtaaatgg aaccctgggt tctatatatg ctgtaccaga aaagattggg 480
caagttcatt atgccttgga aacaactgtg aagcttcttg agttttttca aaactacttt 540
gaaattcagt acccacttaa gaaattggat ttggtggcta ttcctgactt tgaagcaagg 600
ancaatggaa aattgggntt ttgctcacct tccgaaaagg anacacttct gtttgacant 660
tacacttctt ccatggcgga taaaaaagct ggggtgactaa aatcatttgc tcattgaact 720

```

<210> 1481

<211> 1167

<212> DNA

<213> Homo sapiens

<400> 1481

```

cggcagcgac agcggcagcg tcagcgtcag cggcgctgag ttttgtctcc cgggccgtct 60
gggcgcgcgc ggggtgtcca gaatgaaata tgactgagga ctctcagaga aactttcgtt 120
cagtatatta tgagaaagtg ggggttcgtg gagttgaaga aaagaaatca ttagaaattc 180
tcctaaaaga tgaccgtctg gatactgaga aactttgtac ttttagtcag aggttccctc 240
tcccgtccat gtaccgtgca ttggtatgga aggtgcttct aggaatcttg cctccacacc 300
acgagtccca tgccaagggtg atgatgtatc gtaaggagca gtacttggtg gtccttcattg 360
ccctgaaagt cgttcgcttt gttagtgatg ccacacctca ggctgaagtc tatctccgca 420
tgtatcagct ggagtctggg aagttaacct gaagtcacct ttttccactg gagccagatg 480
atgaagtgtt tcttgccata gctaaagcca tggaggaaat ggtggaagat agtgtcgact 540
gttactggat cacccgacgc tttgtgaacc aattaaatac caagtaccgg gattccttgc 600
cccagttgcc aaaagcggtt gaacaatact tgaatctgga agatggcaga ctgctgactc 660
atctgaggat gtgttcgcgc gcgccaaac ttccttatga tctctggttc aagaggtgct 720
ttgcgggatg tttgcctgaa tccagtttac agagggtttg ggataaagtt gtgagtggat 780
cctgtaagat cctagttttt gtagctgtcg aaattttatt aacctttaaa ataaaagtta 840
tggcactgaa cagtgcagag aagataacaa agtttctgga aaatattccc caggacagct 900
cagacgcgat cgtgagcaag gccattgact tgtggcacia aactgtggg accccgggtc 960
attcaagctg aacgcacccg ctggttgtgg accgtctgcc aggcaccaca gtgagcattg 1020
tgttcttggc atgtgatctg ggaaactgat tgaataatac acttttcttg ctttggtgct 1080
caaagtgggt tttttccccc aataaaatta tttaattgaa atgcctgggtg ttgctgtgtt 1140
ggcgagcagc atcttgcaat tacatag 1167

```

<210> 1482

<211> 2129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

921

<400> 1482

```

cgaanttcgg agcgnccggt actgttgaaa gcgagacatc accagataga gataagaaaa 60
aagagcagtc agaagtatct gtttctccta gagcttcaaa acatcattat tcaagatcac 120
gatcaaggtc aagagaaaaga aaacgaaagt cagataatga aggaagaaaa cacaggagcc 180
ggagcagaag caaagaggga agaagacatg aatccaaaga taaatcctct aagaaacata 240
agtctgagga acataatgac aaagaacatt cttctgataa aggaagagag cgactaaatt 300
catctgaaaa tgggtgaggac aggcacaaaac gcaaagaaag aaagtcatca agaggcagaa 360
gtcactcaag atctaggtct cgtgaaagac gccatcgtag tagaagcagg gagcggaaga 420
agtctcgatc caggagtagg gagcggaaga aatcgagatc cagaagcaga gagaggaaga 480
aatcgagatc cagaagcagg gaaagaaaac ggcggatcag gtctcgttcc cgctcaagat 540
caagacacag gcataggact agaagcagga gtaggacaag gagtaggagt cgagatagaa 600
agaagagaat tgaaaagccg agaagattta gcagaagttt aagccggact ccaagtccac 660
ctcccttcag aggcagaaac acagcaatgg atgcacagga agcttttagct agaaggttgg 720
aaagggcaaa gaaattacaa gaacagcgag aaaaggaaat ggttgaaaaa caaaaacaac 780
aagaaatagc tgcagcagct gcagctactg gaggttctgt tctcaatgtt gctgccctgt 840
tggcatcagg aacacaagta acacctcaga tagccatggc agctcagatg gcagccctgc 900
aagctaaagc tttggcagag acaggaatag ctgttcctag ctactataac ccagccgctg 960
ttaatccaat gaaatttgct gaacaagaga aaaaaaggaa aatgctttgg cagggcaaga 1020
aagaagggga caaatcccaa tctgctgaaa tatgggaaaa attgaatttt ggaaacaagg 1080
accaaaatgt caaatttagg aaattgatgg gtattaagag tgaagatgaa gctggatgta 1140
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tagatgctca gtatgaaatg gcaagatcac aaaccacac acaaagagga atgggttttg 1260
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tagcttgcat ggggtgttgca ttgactttaa tttattgaaa aatacaaatt tttgtaaata 1440
tcagatcagt gatactgggtg ttagtgttgt aatcaggtta aaccacttc cattaaactt 1500
gacaggacta tagaaggata atatttttta gttcatgaat tctacttttc aaatatataa 1560
aagctgcagg tggggataaa atctcataca tggatttttt cgtgtccgct gtcttggtga 1620
cttttgact taaccttgta cagttathtt catctcttga aacatgaaag aaatgttatg 1680
tagatgttct ttagaagatc tggccatttg gtacataatc cagcacagat aagctgggtg 1740
gtaatgataa taaaaatggg tttctcaaaa ctggtgttaa ttttaagttac ctgggatgtt 1800
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tggtgagcaa aaatgtaaaa ggtggaagga gaaaacttat taaaatagta tgttttctta 1980
ttataagggg cagacttggt attcagtatt tgtcaaatat tacatgtgtt attcaggaga 2040
tagattaatg cattaaaggg atgtaagcac ttttatttta ataaagtgcc ttataacaaa 2100
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2129

```

<210> 1483

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<400> 1483

```

ggtcgaattc cgggtcgacc acgcgtccgt ttgcttgtna ctatttttca ttgaagcatg 60

```

922

```
cgcttaccta tgctgattct tactaaaagc ataggtctggg gtattttattg gcgaaaggaa 120
atgtgtagtg tgggctggac tggttggtgga ggctggccttt ttagccctact tgctatacat 180
gctgccaatg gatttaagac ttgaaatgtt gaaagttgag tggaattatt tccctcctaa 240
aacatttatt tacagtactc ctctctaccc ctaaggttgg gctctgcctc agaggagtga 300
gttttttttt ttttttctat aaagtttaca ttgtcttact atttattgar tgaatyctctg 360
gtcattgcct atgcaaatat aakaaatctg gctttaaata ttagtcagtt tcatggctat 420
gactagattg kttttcttga taactaaata cctgkataaa atgaactaat gttttctctc 480
ccctccctac cccttcctaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 533
```

<210> 1484

<211> 901

<212> DNA

<213> Homo sapiens

<400> 1484

```
tcgacccacg cgctccgaaac aaaacaaaac aaaacaaaaa cttgaaagac tgcccaagaa 60
aggtgaaggt tagatctcag gggatgatct tgaagcaact gagacagacc tagaaacttg 120
cctcatatga tacaagaaga ccagcttctt ttgtctctac cctgtaggca ctgggtagac 180
aggtaggtga tattttactt cacaacaag ggaactaaaa gtatgaacat ttctctgttc 240
ctcattatct ctgccctaaa atattttggc tatctagccc cagttagagc ggactggcac 300
tgtctggtac aggaggtatg cagcagatgt tctgcatctg agctccatta tgactgtccc 360
ccaacaaatc atccccccagc cagcccaagg gaacgtggaa ttcagagggg aactgttcta 420
accaggagca gccaattaga tccaggccag agaaacccat atccaggcac tttatctttg 480
tcctaaaatg aacctagcta acctcttcag gctatccaaa accctgacca ctccacatag 540
agagacattt gctagcctta catgtcactt tccactgtac acataccaat gacacctgaa 600
ccagatataa agacagaccc acaaagggtt tgctgagcct aaggatctgc tcacctattt 660
ctgatcccga atgcccctgg gacatcttcc agaattgtgt cctccaaata aagtctagaa 720
aattggagga aaatttaaat gcagatgaat cgagaaggaa taaaagccat tagaaattct 780
gggaaaacaa gaaatataga agaaagtcac ggggctgggt gtggtagctc acgcctgtaa 840
tcccagctac tcaggaggct gagcaggaga atcgcttgaa ctggarargt ggaggktgtg 900
a 901
```

<210> 1485

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (691)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (746)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (762)

<223> n equals a,t,g, or c

923

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (780)

<223> n equals a,t,g, or c

<400> 1485

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ccccccagcc tcactaaagg gaacaaaagc tgggtgctcca ccgcggtggc ggccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacggt ttccctgtt ccttggagtc 120
agtattttga gtccatggaa gatgtagaag tagagaattg cttggaccgc ggaggcaaag 180
gttgacagtga gtggagatca tgcattgccac tgcactccag cctggggcgac aagagcaaga 240
ttctgtctca aacaaaacaa aacaaaacaa acaaaaaact tttaaccagg atttttttaa 300
aaaatagtaa actctaccta acacagtatt tctcatttta accatgtgga aatgaacagt 360
tcagtggcat taattacatt cacaaggctg tggaccacac cactatctat accccaactt 420
tttcatcatc cccagcaaga actctgtacc cattaagcaa taactcctgc ctgcgtcccc 480
aagctctatt ctgcttttgg tctctgaatt tgcctatttt aggtagctca taggtggaat 540
cctacaatat ttattttgtg tctggcttat ttcgttttagc ataattgctt caagtccatc 600
catgtttgaa gtgtgtatca aaattctgtt ccatttttatg gctgaatatt ttattaaatg 660
catattccat attttggtta gccattctcc ngaacggaca tctgggggtt gcttccacct 720
tttgacgaat ggtgaataaa gccggnatga ccatgggtgt anagccaatc antccattcn 780
tt

```

<210> 1486

<211> 891

<212> DNA

<213> Homo sapiens

<400> 1486

```

gaattcggca cgagccttga gctagcattt cattatgacc gtgatttttc cccgcaccac 60
tttccagcct tgtgggtccac aattccactg ggcccttaagt atgtactgaa ctttcctgcc 120
tccctcattt tgctctgctt gtgcaatttt ttccaccctc catctctgtc aaacgtaagc 180
cttcctgacc tctaagacct acctttgtca tgtaccctta ccctcaggca aggagcaatc 240
tcttctcttc ctcttctacc ttgctgtagc ttctcccca ggatttatca cattctgcct 300
tgaatcatag ggaacagcat gtgtagtggg atgaacacag gcctctgaat ccaagatagc 360
agtttaaata ccagcttttg aggtgggttac ttaaagtctc agtgccttca ttcttctycc 420
tatataaagt agatattaca atatctaact tacagagtca ttgggagcta tacatgcagc 480
gattgggtaa agcacctggc acatggcaag cgattagcaa atgctgggta cttctacttc 540
tttctcttcc cttttccag tctatcataa ttctcttgat arcaggcacc atgtcttatt 600
tacccttgta tttccacag tacttcccat agtgarttac ccttagtaaa tacycagtaa 660
gttgaattga atttaaatta mctgtaagtc ttaaaatgtg ggattaaatt aagaatatat 720
tgtcctggaa ataccaaggt gtctattgat ggatgaatgg ataaacaaaa tgtgggtatac 780
acataatgga atattattca gccttaaaaa ggaatgaaat tctgacatgt gctacaatat 840
gatgaacctg gaagacatta tatgtgaaat aagccagaca gaaaaggaca a 891

```

<210> 1487

<211> 1181

924

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<400> 1487

```
gcgaaaaata ccgtttggga ccaggctggc ctagaccagc ggatgagaat gcaccctaaa 60
ataaatatac gggaagcagc agagggcctt cctgtctagt gtgtgatcct aactaaaggc 120
agctctcttg gacagccttc ccctggatta ggtcacatac acctgggtggc caagcctctg 180
ctgggtccca aatacacacc cgagtcctgc caaagaaagg agatttttaa aaagcacaga 240
caaattgtat gcaagtggaa aataccataa ggcctagaca gctgtggagg gaagacctcg 300
tggtgtacct gaggtgcca gagctgggag ctctgcagg atgagtcagg gaaggctcag 360
agacaagcag aatctctcta tggagacaac ttgcagtgc ttttaggttt tccaaataac 420
ctcggagtgc agagcattgg gtttttttct cccctcccca ccccagaaa aataattaga 480
aaaatgttta ggagaaagga aaagaattag atgcatcaga ataccagcta taagccaaca 540
ctgtttccag aaactcaaga aaaagctcaa acagaagaca gttcccctga gaggctggag 600
gcgttggtgc tgaaggnaat ttctctagct aaggggact gggccttgct gcacctggg 660
gctgaccttt ttgcaaaac acccaccct gccctcctgg catactcaac agcaacgcca 720
gctttctgga cccttggaag gatgttagct caaacacca ctttttccag atcttctct 780
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gccaggtgt ttagattaga atttgtccag cggtaatcct gatgctggaa accaacaac 900
atttgccctc atattcacc atttaaaaac tagagccct ggcaggctcc cttagggcc 960
tgtgttcatt gaataaagc caagtttgcc ytargetkgt tcatggaata taagccaagt 1020
ttacctctcc ccattttctg ccctggccca cttccactc acctccacct yattgccm 1080
aagggatcaa aakgcctcca tgccarttgt taakggctac atatttgccc tcccaagg 1140
tatttgcatt tattaggaac aggccttaaa ttcaaggaaa a 1181
```

<210> 1488

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

925

<221> misc feature
 <222> (501)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (505)
 <223> n equals a,t,g, or c

<400> 1488
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 agtgcgtgta ccagtgagga atggcggtcag cttcagactc awgcaaaact ggttttagag 120
 gaaaacaagt tgttgctgga gcagttggag attcagcaaa ggaaagccaa ggacagccac 180
 caggagcgcc tccaagaagt ttctaagctg actaaacaac taatgctcct ggaggcaaaa 240
 acccacggcc aggaaaagga gctggcggag aacagggaac agctggagat ttacgtgcc 300
 aaatgccaaag aactcaaaac acactcggat ggcaaaatcg cagtgggaagt tcataaatca 360
 attgtgaatg aattaaaaag ccaattacag aaggaagaag anaaagaaag ggctgagatg 420
 gaggagttga tggagaagct gacagtcctg caagcgcaga agaagagcct gctgttanag 480
 aanaacattt tgacagagca naacn 505

<210> 1489
 <211> 651
 <212> DNA
 <213> Homo sapiens

<400> 1489
 gaattcggca cgaggtgggtg ggaggtccg gcgggggtcta cgccctgtgc tcggcacacc 60
 tggccaacgt tgtcatgaac tgggctggga tgagatgtcc ctacaagttg ctgaggatgg 120
 tgctggcctt ggtgtgcatg agctccgagg tgggccgggc cgtgtggctg cgcttctccc 180
 cgccgctgcc cgctcgggc ccacagccca gttcatggc gcacctggca ggcgcgggtg 240
 tgggggtgag catgggcctg accatcctgc ggagctacga ggagcgccctg cgggaccagt 300
 gcggctgggtg ggtggtgctg ctggcctacg gcaccttcct gctcttcgcc gtcttctgga 360
 acgtcttcgc ctacgacctg ctgggcggcc acatccccc accgcccctga cgggctacct 420
 gaggtgcac aggccagggc tcgggcatgt ggtggccgcc accaggggcc ttacgtctg 480
 ccctttgtga acggacgtct cagggtgct gtgccccttg ggtgtgggtg gcctcaaagg 540
 aggcctgtc ccagccacc acccccccact cccaggactt gcggtmtgag ccttttttga 600
 taattaataa atattttacm cagcaccaaa aaaaaaaaaa aaaaaaaaaa c 651

<210> 1490
 <211> 2968
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2961)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2964)

<223> n equals a,t,g, or c

<400> 1490

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aattcggcac gagatcctct ggctgctctg ctcccaccgc cgggcccccg gcaggcccc 60
caccacacat gcacacaact ggaggctcgg ccaggcgccc gccarctggt acaatgacac 120
ctacccccctg tctccccac aaaggacacc ggctgggatt cggtatcgaa tcgcagttat 180
cgcagacctg gacacagagt caagggccca agaggaaaac acctgggtca gttacctgaa 240
aaagggctac ctgaccctgt cagacagtgg ggacaagggt gccgtggaat gggacaaaaga 300
ccatggggtc ctggagtcct acctggcgga gaaggggaga ggcatggagc tatccgacct 360
gattgttttc aatgggaaac tctactccgt ggatgaccgg acgggggtcg tctaccagat 420
cgaaggcagc aaagccgtgc cctgggtgat tctktccgac ggcgacggca ccgtggagaa 480
aggcttcaag gccgaatggc tggcagtga ggacgagcgt ctgtacgtgg gcggcctggg 540
caaggagtgg acgaccacta cgggtgatgt ggtgaacgag aaccggagt ggggaagggt 600
ggtgggctac aagggcagcg tggaccacga gaactgggtg tccaactaca acgccctgcg 660
ggctgctgcc ggcattccagc cgccaggcta cctcatccat gagtctgcct gctggagtga 720
cacgctgcag cgctggttct tcttgcgcg ccgcgccagc caggagcgt acagcgagaa 780
ggacgacgag cgcaagggcg ccaacctgct gctgagcgcc tccctgact tcggcgacat 840
cgctgtgagc cacgtcgggg cggtggtccc cactcacggc ttctcgtcct tcaagttcat 900
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gtgatttgcg attactttta agctcacctt ttttcttccc ctctctgttc gctgctgtca 2820
gcataatgat tgtgttcctt ccctatggga tccatctgtt ttgtaaaaa taaagcgtct 2880

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927

gagggagtgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2940
 aaaaacaaaa aaaaaaaaaa nagnagag 2968

<210> 1491
 <211> 529
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (373)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (464)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (484)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (529)
 <223> n equals a,t,g, or c

<400> 1491
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 tccccatttg aattgttccc tagagtttac acagttgtac cttattacca gtttaaatgg 120
 atatctcagt taataatttt caatagtga actatcaaat atcagagatt tacttccttt 180
 tagttactat gaaaagcaca ttacttttg agagcaactg taatacacct aaaattagag 240
 caaccaaagg catgtatgga gcatttttta atttaaaaaa ttgcattttg tttctcatac 300
 cttattttaa acattaagaa gtaaattgtc ttagtttttg agtacatttt tatatgaata 360
 ggaaacatgc tgntttcata atccagkctt ttgatgtgtg tgaaatgaat ttgtgtggag 420
 cgttatgtga atttttatga acttatcttt tattgggtgat ctanaaatgc ttgggatacc 480
 taanaattcc agacctcagt ttcttatggg ggataacaat ggatttggn 529

<210> 1492
 <211> 1225
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (59)
 <223> n equals a,t,g, or c

<400> 1492
 gtgcactcta acgatctctt tgccatcttg ttttaatctg acagttctca gacatagana 60

928

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aaaaaggtaa ctcattgcatg tactaccttt tttctctatg tctgagaact gtcagattaa 120
aacaagatgg caaagagatc gtttagagtgc acaacaaaat cactatccca ttagacacat 180
catcaaaagc ttattttttat tcttgcactg gaaggaatcg taagtcaact gtttcttgac 240
catggcagtg ttctggctcc aaatggtagt gattccaaat aatgggtctg ttaacacttt 300
ggcagaaaat gccagctcag atatttttgag atactaagga ttatcttttg acatgtactg 360
cagcttcttg tctctgtttt ggattactgg aatacccatg ggccctctca agagtgtctg 420
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ttgtttgtaa atgtaaactt ctaaaaatat ggtaataaac attcaacctg tttattacaa 540
cttaaaagga acttcagtga atttgttttt attttttaac aagatttgtg aactgaatat 600
catgaacat gttttgatac ccctttttca cgttggtgcca acggaatagg gtgtttgata 660
tttcttcata tgtaaggag atgcttcaaa atgtcaattg ctttaactt aaattacctc 720
tcaagagacc aaggtacatt tacctcattg tgtatataat gtttaattt tgtcagagca 780
ttctccaggt ttgcagtttt atttctataa agtatgggta ttatgttgct cagttactca 840
aatggtagtg tattgtttat atttgtacct caaataacat cgtctgtact ttctgttttc 900
tgtattgtat ttgtgcagga ttcttttaggc tttatcagtg taatctctgc cttttaagat 960
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ttttagtagaa tattccaaaa gaatgtaaat aggaaataga agagtgatgc ttatgttaag 1140
tcctaact acagtagaag aatggaagca gtgcaaataa attacatttt tccccaaaaa 1200
aaaaaaaaa aaaaaaaggg cggcc 1225

```

<210> 1493

<211> 2298

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2291)

<223> n equals a,t,g, or c

<400> 1493

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gaattcggca cgagccactg ggacatgtcg ctgccgctca tcgtgactct gagcactatc 60
tccatcatcc tcctagcggc catgatcacc atcgccgtca agtgcaagcg cgagaacaag 120
gagatccgca cttacaactg ccgcatcgcc gagtacagcc acccgagct ggggtggggc 180
aagggcaaga agaagaagat caacaaaaat gatatcatgc tgggtgcagag cgaagtggag 240
gagaggaacg ccatgaacgt catgaacgtg gtgagcagcc cctccctggc cacctcccc 300
atgtacttcg actaccagac ccgcctgccc ctcagctcgc cccggtcgga ggtgatgtat 360
ctcaaaccgg cctccaacaa cctgactgtc cctcaggggc acgcgggctg ccacaccagc 420
ttcaccggac aagggactaa tgcaagcgag acccctgcca ctcggtatgtc cataattcag 480
acagacaatt ttccgcgaga gcccaattac atgggcagca ggcagcagtt tgttcaaagt 540
akctccacgt ttaaggaccc agaaagacca gcctgagaga cagtgggcac ggggacagtg 600
atcaggctga cagtgacca gacactaaca aaggctcctg ctgtgacatg tctgttaggg 660
aggcactcaa gatgaaaact acttcaacta aaagccaacc acttgaacaa gaaccagaag 720
agtgtgttaa ttgcacagat gaatgccgag tgcttgggtc ttctgacagg tgctggatgc 780
cacagttccc tgcagccaat caggctgaaa atgcagatta ccgcacaaat ctctttgtac 840
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agactttttg tacattttgga aaagacaagc gagagcacac tattctcatt gccaacgtta 960
aaccttattt aaaaagccaaa cgtgccctga gccctctcct ccaagaggtc ccctcagcat 1020
caagcagccc aaccaaggcg tgcacgagc cttgcacctc aacaaaaggc tccctggatg 1080
gctgtgaagc aaaaccagga gccctggctg aagcaagcag tcagtacttg cccactgaca 1140

```

929

```

gtcaatatct gtcacctagt aagcaaccaa gagaccctcc cttcatggct tccgatcaga 1200
tggcaagggt ctttgcagat gtgcattcca gagccagccg ggattccagt gagatgggtg 1260
ctgttcttga gcagcttgac caccccaaca gggatctggg cagagagtct gtggatgcag 1320
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atgaggagaa gaattacctt ttgacaatct gttaggaagg tatgcagtgt gagaactgaa 1740
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aacacatatt tgtggtaaac atttctgtat aaagttacct gacacacata taaacacaag 1980
gaacattcca tatcattagt cgaaaacaaa aacaaaaaaaa aaaccttygg tcatttgtaa 2040
kacatctcat gtcataataa agttaaatgt aaaaagatac agtccatttt gtcctgcaca 2100
cacgtagact aattcacgtc attaaagaag aagaaaactt aaagatttaa aatgcctatt 2160
tagcatttta gtgtccaaca aagattttaa caatgatgaa tatgttttaa atttgacata 2220
gaaaagttct aaaaaatagt taccattgag tggtaaagatt cagagaaaat taacttgatt 2280
aatatgtttt naaaaaaa 2298

```

<210> 1494

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature.

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 1494

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aganaccan ccctcaactaa agggaacaaa agctggagct ccaccgcggt gacgaccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gngccccgc gagccgctcg 120
agaactccgc cagcgagtcg tctgacacgg agctgccaga gaaggagcgc ggcggcggaa 180
cccaaggggc ccgaggacag tgggtgcggga ggcacgggct gcggcggcgc agacgacca 240
gccaaagaaga agaagcagcg gcggcaacgt acgcacttca caakccagca gttgcaagag 300
ctagaggcca cgttccagag gaaccgctac cccgacatga gcatgaggga ggagatcgcc 360
gtgtggacca acctcaccga gccgcgcgt 389

```

<210> 1495

930

<211> 1400

<212> DNA

<213> Homo sapiens

<400> 1495

```

ctctggagcc accagcagaa cctcttcaat atcttgcag ttacagattt cactgctccc 60
accagcttgg agacaacatg tggttcttga caactctgct cctttgggtt ccagttgatg 120
ggcaagtgga caccacaaag gcagtgatca ctttgcagcc tccatgggtc agcgtgttcc 180
aagaggaaac cgtaaccttg cactgtgagg tgctccatct gcctgggagc agctctacac 240
agtgggtttct caatggcaca gccactcaga cctcgacccc cagctacaga atcacctctg 300
ccagtgtcaa tgacagtggg gaatacaggt gccagagagg tctctcaggg cgaagtgacc 360
ccatacagct ggaaatccac agaggctggc tactactgca ggtctccagc agagtcttca 420
cggaaggaga acctctggcc ttgaggtgtc atgcgtggaa ggataagctg gtgtacaatg 480
tgctttacta tcgaaatggc aaagccttta agtttttcca ctggaattct aacctacca 540
ttctgaaaac caacataagt cacaatggca cctaccattg ctcaggcatg ggaaagcatc 600
gctacacatc agcaggaata tcwrtcactg tgaaagagct atttccagct ccagtgtctga 660
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agttgctctt gcagaggcct ggtttgcagc tttacttctc cttctacatg ggcagcaaga 780
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aagaactgaa aagaaagaaa aagtgggratt tagaaatctc tttggattct ggtcatgaga 1080
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aacaaaaaga agaacagctg caggaagggg tgcaccggaa ggarccccag ggggccacgt 1200
agcagcggct cagtgggtgg ccatcgatct ggaccgtccc ctgcccactt gctccccgtg 1260
agcactgcgt acaaacatcc aaaagttcaa caacaccaga actgtgtgtc tcatggtatg 1320
taactcttaa agcaaataaa tgaactgact tcaactggga aaaaaaaaaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa

```

<210> 1496

<211> 1484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<400> 1496

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waatgtttga gagcgctgac tctacagcca caagatctgg ccaggatctc tgggctgaaa 120
tttgttcctg tctgccaaat cctgaacaag aagatgggtg caacaatgca ttctcagact 180
cctttgtgga ttcttgccct gaaggtgaag gccagaggga ggtggctgac tttgctgtcc 240
agccagctgt aaagccttgg gctcccttgc aggattcaga agtgtattta gcatctctag 300
agaagaagct aagaagaatc aaaggtttaa atcaggaagt gacttccaag gacatgcttc 360
gaactctggc ccaagccaag aaggaatgct gggatcgggt cctccaggag aagttagctt 420
cagagttctt tgtggatgga cttgattctg atgagagcac cttnggaaca tttcaagagg 480
tggctccagc cagataaagt agccgtcagc acagaggagg tccagtatct gattcctcca 540
gagtcacagg ttgagaagcc agtggccgag gacgagccag cagccgggga caagccagca 600

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931

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gcagcagaac agtaaattac acacacacac acacacacac acacgccgag cagctgtctc 660
gggtccagag cgagcagcgt ggagctcagt gacagcagca gggagaaatc cactgaagga 720
aaaaacccaa atttccactc cacaaagaaa acagctgcaa gccccaggga acttacctgg 780
ggctggcatg tgtgactgtc tcggatgaag tgactgaccc agtgcacact ggatcaaaat 840
gctgctttcc tctgtgtctc acagcttggc tgagctctgt ctctgcaggt tagaagtctg 900
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ccgagcttcc ctccctgttt attgtgttca tgatcagtat gtgtttccat ataaaacttt 1440
totcaacgga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1484

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<210> 1497

<211> 2192

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2190)

<223> n equals a,t,g, or c

<400> 1497

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gcccgatttc ctccgggcta caggcgacag agctgagcca agcgtttact gggcagctgt 60
tacgctcaga ttccaaatga aaatgtttga gacgctgac tctacagcca caagatctgg 120
ccaggatctc tgggctgaaa tttgttcctg tctgccaaat cctgaacaag aagatgggtc 180
caacaatgca ttctcagact ctttgtgga ttcttgccct gaagggtgaag gccagaggga 240
ggtggctgac tttgctgtcc agccagctgt aaagccttgg gctcccttgc aggattcaga 300
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ttgagctgta ggcgcggagg gccggagacg ctgcagaccc gcgacccgga gcagctcgga 420
ggcggtgaat aatagctctt caagtctgca ataaaaaatg gcctccaaca aaactacatt 480
gcaaaaaatg ggaaaaaac agaattggaa gagtaaaaaa gttgaagagg cagagcctga 540
agaatttgtc gtggaaaaag tactagatcg acgtgtagt aatgggaaag tggaatattt 600
cctgaagtgg aagggtattt cagatgctga caatacttgg gaacctgaag aaaattttaga 660
ttgtccagaa ttgattgaag cgtttcttaa ctctcagaaa gctggcaaaag aaaaagatgg 720
tacaaaaaga aaatctttat ctgacagtga atctgatgac agcaaataca agaagaaaag 780
agatgctgct gacaaaccaa gaggatttgc cagaggtctt gatcctgaaa gaataattgg 840
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gttcttttat atatatatat atatatatat aaaaattggg tcttagattt tgatttacta 1080
gtgtgacaaa ataactacat cctaataaaa atcaagtttg atatgtttgt tttgaaagta 1140

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932

```

gcgttgaag agttgttggg ggttttttgc atccatagca ctggttactt tgaacaaata 1200
aataaaagct ttctgtagtt gcttccttta tcagaaaaga acatttgata ccatgggtata 1260
tcatttcctc ttcattaaag aacagctttt ctaaagtgtg ggggaaatgt ccatagtcacat 1320
tactcagtc aaacttgtgt tctcatgagc ctaaggacca ttctagattt attacgtgtt 1380
ttttgtgtgt gtgtgtgtgt gtgtgtgtgt atccataaaa tgcataatgta aatttttttt 1440
tgtttttaag cattcaccca aacaaaaaaa tcacaggtaa acccatgttt ctgagatgcc 1500
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taagacttgg ctcatagaaa cctaatacaga tgggttagagg tgttggcagt ttaggacctg 1920
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tgtaaatact ggtgaacagt ggtaataaaa tagttttata ttcctttatg caaaaaaaaa 2160
aaaaaaaaaa cctngggggg ggccccggan cc 2192

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<210> 1498

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1498

```

gggaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc cacgcgtccg 60
gtaaaaagtg actgaggaca caagcagtggt tctgcgttcc ccatgcccgg gagggtgggt 120
ggccgtctct gtcaagcctg gagacgcggt agcagaaggt caagaaattt gtgtgattga 180
agccatgaaa atgcagaata gtatgacagc tgggaaaact ggcacggtga aatctgtgca 240
ctgtcaagct ggagacacag ttggagaagg ggatctgctc gtggagctgg aatgaaggat 300
ttataacctt tcagtcacat cccaatttaa ttagccattt gcatgatgct ttcacacaca 360
attgattcaa gcattataca ggaacacccc tgtgcagcta cgtttacgtc gtcattttatt 420
ccacagagtc aagaccaata ttctgccaaa aaatcaccaa tggaaatttt cattgatata 480
aataacttga catatgattt gtacttctgc tgtgagattc cctagtgtca aaattaaatc 540
aataaaactg agcattttgtc taaatattag tttgcccttt ctttgaatga agacaatgta 600
cacataggcg accaggtctg ccagtagact accagcattt ctttgtgatc cttttaagag 660
attgatataa atgtcagtc gttct 685

```

<210> 1499

<211> 1049

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1027)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1046)

933

<223> n equals a,t,g, or c

<400> 1499

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gctgagggat ttcacacaca ctagactggg cccataagaa acgyttaagg gagtactttg 60
gtcagaaaga aacagacatt aatgagcaac aaagaatcat ctaaaggtaa aaaactcact 120
gttaagagta agtacacaga aaaacccaaa gtgtgataac attgtaactg tgggtgtgtaa 180
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ctgggtgggac gtgattggat catgggggtg gatctttcat gactaattca gcaccatctt 960
cttagtgctg ttctcatgat agtgagtcct ctgaatctgg ttgcctaaag tgtgtagccc 1020
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```

<210> 1500

<211> 1018

<212> DNA

<213> Homo sapiens

<400> 1500

```

cgacagaagg gtacggctgc gagaagacga cagmaggggc tcctcgccag cagccgtccg 60
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tctggaaacc caaaccttca aggatggcct ggcgcatggg ggaaccagcc tgctggggca 180
gggggctacc caggggcttc ctatcctggg gcctaccccg ggcaggcacc cccaggggct 240
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cctgcacctg gagtctaccc agggccaccc agcggccctg gggcctaccc atcttctgga 360
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ctgattgtgc cttataacct gcctttgcct gggggagtgg tgctcgcat gctgataaca 480
attctgggca cgggtgaagc caatgcaaac agaattgctt tagatttcca aagaggggaat 540
gatgttgctt tccactttta cccacgcttc aatgagaaca acaggagagt cattgtttgc 600
aatacaaagc tggataataa ctggggaagg gaagaaagac agtcggtttt cccatttgaa 660
agtgggaaac cattcaaaat acaagtactg gttgaacctg accacttcaa gggtgcagtg 720
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actgtgagtg aaaattttta cattcatcaa tatccctctt gtaagtcata tacttaataa 960
atattacagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcga 1018

```

<210> 1501

<211> 2031

<212> DNA

<213> Homo sapiens

<400> 1501

```

cccacgcgtc cgccccacgcg tccgccccacg cgtccggcgc cagcggcctc gccgcccgtc 60
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tttcttcaat cacatctgaa taaatcactt gaagaaagct tatagcttca ttgcaccatg 180
tgtggcattt gggcgctggt tggcagtgat gattgccttt ctgttcagtg tctgagtgtc 240
atgaagattg cacacagagg tccagatgca ttccgttttg agaatgtcaa tggatacacc 300
aactgctgct ttggattttca cgggttggcg gtagttgacc cgctgttttg aatgcagcca 360
attcgagtga agaaatatcc gtatttgtgg ctctgtttaca atggtgaaat ctacaacat 420
aagaagatgc aacagcattt tgaatttgaa taccagacca aagtggatgg tgagataatc 480
cttcatcttt atgacaaagg aggaattgag caaacaattt gtatgttggg tgggtgtgtt 540
gcatttgttt tactggatac tgccaataag aaagtgttcc tgggtagaga tacatatgga 600
gtcagacctt tgtttaaagc aatgacagaa gatggatttt tggctgtatg ttcagaagct 660
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taggtggtct ttatgctgta atgtgaaagc aaatatttct tcgtgttggg tggggactgt 1920
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gtcctaaatc taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2031

```

<210> 1502

<211> 1463

<212> DNA

<213> Homo sapiens

<400> 1502

```

ggcgcggaaa gttggcctcg cccctgccga cgtcgcaggc tggagctcac ctgggagact 60
ccaagtggaa gccgagctcg gttctgcctc tccaggcaac gcgggaggcc cagcgggaag 120
gcaggaggcg gcggcgagg aggagctcta ctgagccgca actgtggcga cagcaaccgg 180
agtgcagcc gccgccacct gcacctggcg cctagccac gtccagcgcc tgcccgccg 240
ccgttcccg ccacctgcc ctgcccaccc gccaggtaact accattaaag ataccttctt 300
ctcagcaaat ctatgataaa aaatataagt aacagaagaa gaaataactg ttatttgtca 360
agtgacaagc ttttaatgtc agaatggctc acctaaagcg actagtaaaa ttacacatta 420
aaagacatta ccataaaaag ttctggaagc ttggtgcagt aatttttttc ttataatag 480
ttttggtttt aatgcaaaga gaagtaagtg ktcaatatcc caaagaggaa tcaaggatgg 540

```

935

```

aaaggamcat gaaaaacaaa aacaagatgt tggatttaat gctagaagct gtaaacaata 600
ttaaggatgc catgccaaaa atgcaaatag gagcacctgt caggcaaaac attgatgctg 660
gtgagagacc ttgtttgcaa ggatattata cagcagcaga attgaagcct gtccttgacc 720
gtccacctca ggattcaaat gcacctggtg cttctggtaa agcattcaag acaaccaatt 780
taagtgttga agagcaaaag gaaaaggaac gtggggaagc taaacactgc tttaatgttt 840
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tcataatgaa gcgtgggtcca cggttgcttag aactgtccac agtgtgctct attcttcacc 1020
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tgataaacta gatgaatatg taaaacaatt ttctatagta aaaatagtca gacaaagaga 1140
aagaaaaggt ctgatcactg ctcrgttgct aggagcaaca gtcgcaacag ctgaaacgct 1200
cacattttta gatgtcact gtgagtgttt ctatggttgg ctagaacctc tgttgccag 1260
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gtttgaattc aacaaacctt ctcttatgg gaagtaacca taaccgtggg aaattttgac 1380
tgggagtctt tcatttggst ggggagtcgc ttccygatca tgaggaggca aggaggggag 1440
rtgaacctac ccatttaaac acc                                     1463

```

<210> 1503

<211> 570

<212> DNA

<213> Homo sapiens

<400> 1503

```

tgcaaaaatt acagctggtg cctgtaatcc ccgctactcg ggaggctgac acaggagaat 60
tgcttgaacc tgggaggtgg aggtttcagt gagctgagat cgtggcattg cactctagcc 120
tgggcaaccm agagtgaaac tgtctcaaaa aacaactttt atcaatgtct gcaaaaagaa 180
agtcttctgg gatttataga tcaatttagg gagaaatgac attttaacaa ttctgagttt 240
tccaattggt gaacatggtg tactgcccc aatttttaga tctgttaatt tctctcagtt 300
tgcagctctc acattttggt aaattcatgt atttaatatt tctgcatgct attgcaagtg 360
gtaaggtttt caaaaagctg ttttctagtt attgctagta tatagaaatg cattagactt 420
gtacattgat cttgtatcaa gcaacttaga tcagttaact tattctagta gcttttttct 480
agattcttta gcattttcta ttagataat catgtcatct gtgaataaag tattttactt 540
ttccaattta aaaaaaaaaa aaaaaaactc                                     570

```

<210> 1504

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

936

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 1504

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cgcgctcgact tttttttttt tntgcttttg aaaatcaact atcattttta ttacaatctt 60
aaacactttt gttaagggga atccaatttt cctcttccaa gggctctcca aacatggaat 120
atgtagggtt tcatcataat ctcaatgttg tttatccaaa tgtatcacgt tatataaata 180
tgtagagggt tccagatgtc aagggcaggg tattagggtc aagtgtggct ggctctaacc 240
tctccactga actcctagag tgagatttaa gttttattta atctaacttt actaattcaa 300
cttagtcgtg taagaaggat atgaagaata tgaattattg tacttcacac tgctactttc 360
atgtacagta tagtagawta atactgacma cyatagacma gragttaaaa ttkgtcycrg 420
gaaaatycty cargatttta amcattgrca ttgccncgga gcggagaatt cagggcccg 480
aaagnggggc nacttagg 498
```

<210> 1505

<211> 2061

<212> DNA

<213> Homo sapiens

<400> 1505

```
gccggcaccc cagcagcccc aggagggcgc gggcrcgrgg cccgggtgcgt gcagcctgca 60
cctcagcgag cgcgccgact ggcagtactc gcagcgcgag ctggacgccg tcgaggctct 120
cttctcgcgc acggcccggg acaaccggct cggtgcatg ttcgtgcgt gcgcgcctc 180
cagccgctac acgctgctct tctcgcaagg caacgccgtg gacctgggac agatgtgcag 240
cttctacatt ggctcggct cccgcatcaa ctgcaacatc ttctctacg actactcggg 300
atacggcgtc agtcgggcaa gccctccgag aagaacctct acgccgacat cgacgccgcg 360
tgmgaggcgc tgcgcacccg gtatggcggt agtcccagaga acattatcct ctatggtcag 420
agcattggga ctgtcccccac ggtagacttg gcctcgaggt atgaatgcgc agggtaattc 480
tccattcccc tctgatgtct ggtttgcgtg tggccttttc ggataccagg aaaacatact 540
gctttgatgc tttccccagc attgacaaga tatctaaagt cacctctcct gtgttggtca 600
ttcatggtac agaggatgag gtcatcgatt tctcccatgg cctagcgatg tacgagcgct 660
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atgcacaata cctagaaaga ctaaaacagt tcatatctca cgaacttctt aattcctgaa 780
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ttctaataca agagctgatg aaatctcagt cttttgtatc tagagggtgt tctgctaatt 960
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aatgagagct gaatgtaggg acaattttct agtgctgtat aaagtagcct cgcactctgt 1080
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ttttttaaaag tactgtacat atttgcaatc acattgtgca tagattctta atggtagata 1560
```

937

```

tgattttcttt tgtcaggcta caacaatgaa ctgcagattc cttgtttgta atgtaaatga 1620
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taaactaatc tttttagttt aggaattatt tgggttttga cactggaagt tgcgccaaat 1800
aagcatcaga aataggagat gcttaacatt gctatactac ttgtgttggt taggggtttg 1860
gatttggggg ttctttgggt ttaatttttt tttccacatt taaaagcctt aaatgtactg 1920
taagcctcag atcgttgtac aactggactg cgggttgattg ccagtttggt tactgttgct 1980
tggatgcggc acagtgggtg gtaatggaat aaaggatgca tggatcagaa aaaaaaaaaa 2040
aaaaaaaaaa aaaaaaaaaa a                                     2061

```

<210> 1506

<211> 2396

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 1506

```

cttccttccg cttgcncgtg gagctgaggc ggtgtatgtn cggcaataac atgtcaaccc 60
cgctgcccgc catcgtgccc gccgcccgga aggccaccgc tgcggtgatt ttcctgcatg 120
gattgggara tactgggcct gttaggcctg ttacattaaa tatgaacgtg gctatgcctt 180
catgggtttga tattattggg ctttcaccag attcacagga ggatgaatct gggattaaac 240
aggcagcaga aaatataaaa gctttgattg atcaagaagt gaagaatggc attccttcta 300
acagaattat tttgggaggg ttttctcagg gaggagcttt atctttatat actgccctta 360
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cctttccaca gggtcctatc ggtgggtgcta atagagatat ttctattctc cagtgccacg 480
gggattgtga ccctttgggt ccctgatgt ttggttctct tacggtggaa aaactaaaaa 540
cattggtgaa tccagccaat gtgaccttta aaacctatga aggtatgatg cacagttcgt 600
gtcaacagga aatgatggat gtcaagcaat tcattgataa actcctacct ccaattgatt 660
gacgtcacta agaggccttg tgtagaagta caccagcatc attgtagtag agtgtaaacc 720
ttttcccatg ccagctcttc aaatttctaa tgttttgcag tgttaaaatg ttttgcaaatt 780
acatgccaat aacacagatc aaataatatc tctcatgag aaatttatga tcttttaagt 840
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ttaaaatcta tttatgcttt atagagaaac cagacattaa aacttcatgc actacttatt 1500

```

938

```

tcgaattact gtaccttata caaatttaca cctagctatt aggatcttca acccaggtaa 1560
caggaataat tctgtggttt cttttttctg taaacaactg aaagaataat tagatcatat 1620
tctagtatgt tctgaaatat ctttaagact gatcttaaaa actaacttct aagatgattt 1680
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tgctgtaaca tgggaaagtg taaatgtttt tcatggtttc tatcaatgtg aaataaaaatt 2340
taattctgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggcg gccgct 2396

```

<210> 1507

<211> 1153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<400> 1507

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accatcacga gaggcacgagc tggtagcct gcagtaccgg tccgggaatt cccgggtcga 60
cccacgcgtc cgctgagatt gctctgcctt cttccacag gactgcctgt tcgcagcgtg 120
gattttaacc gaggcacgga caacatcacc gtgagcaggg ggacacagcc atcctcaggt 180
gcgttgtaga agacaagaac tcaaagggtg cctgggtgaa ccgttctggc atcatttttg 240
ctggacatga caagtgtct ctggaccac gggttgagct ggagaaacgc cattctctgg 300
aatacagcct ccgaatccag aagggtggatg tctatgatga gggttcctac acttgctcag 360
ttcagacaca gcatgagccc aagacctccc aagtttactt gatcgtaaa gtcccaccaa 420
agatctccaa tatctcctcg gatgtcactg tgaatgaggg cagcaacgtg actctgggtc 480
gcatggccaa tggcngtcct gaacctgtta tcacctggag acaccttaca ccarctggaa 540
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gcaaatatga gtgcaaagct gccaacgagg tctcctcggc ggatgtcaaa caagtcaagg 660
tactgtgaa ctatcctccc actatcacag aatccaagag caatgaagcc accacaggac 720
gacaagcttc actcaaatgt gaggcctcgg cagtgcctgc acctgacttt gagtgggtacc 780
gggatgacac taggataaat agtgccaatg gccttgagat taagagcacg gagggccagt 840
cttccttgac ggtgaccaac gtcactgagg agcactacgg caactacacc tgtgtggctg 900
ccaacaagct ggggtgcacc aatgccagcc tagtcctttt caaacgtgtt ttaccacaaa 960
tccccaccc cattcaagaa attggtacca ccgtgcactt caagcaaaaa ggacctgggt 1020
cggtagagag aataaatgga tccatcagtc tggcctgacc actgtggctg ctggcagcat 1080
ctctgctctg ccttctcagc aaatgttaat agaataaaaa tttaaaaata atttaaaaaa 1140
cacccaaaaa aaa 1153

```

<210> 1508

<211> 652

<212> DNA

939

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (637)

<223> n equals a,t,g, or c

<400> 1508

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cccacgcgtc cggcggagaa ggaccccggc cgctcagccc cgggcgcgcg ctccgcagcc 60
gcggccctga agcagctggg ggactcaccg gccgaggaca agtccagctt caagccctac 120
tccaagggct cgggcggcgg cgactcccg aaagacagcg gctcctcctc ggtgtcttcc 180
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gctgccccgc cctttccccc gcatggagcg ccggtctccg catcctcgtc ctcgtcgtcg 300
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gggcgcaagt ccgagccgcc ctcggcgctg gtggggggccg gccacgtggc gccggtgtct 540
cctacaagcc gggccactcg gtgttcccgc tgnccgcttc agcattggct accacggctn 600
catcgtgggc gcctacgcg gntacccgtc ttaattnctg cctggcctgg at 652
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<210> 1509

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

940

<221> misc feature
 <222> (1218)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1226)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1227)
 <223> n equals a,t,g, or c

<400> 1509
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 aggactccct tagaatggga aagaaaaatc ataaaaatatt gagctgatgc ctgtatatag 180
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 gttatcatta tatctaacta taacctcccc catagttagt aagagtaacc tgaaatgcca 420
 ctattgtgga aataggataa ttgtaattgt gaaaaaataa ttttaaggaa atcttacaag 480
 tattacatta aaaagatact atgactgcca cctgccattt accttctaata aacctgcca 540
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 ggagcagcca gtttttgta attactcact tgtaaattgt gagattctga attccttacc 720
 tgctattctt gtacttgtct caggccaaat ctatgctgtg gttcttatga gacttgtagt 780
 aagatgcctt gatgtgtaca gattgaccac ggaataacta ctgccatgta atctgtatag 840
 ttccagataa tttgtcatga acattgacag aatgacaatt ttttgtattt gctttttctc 900
 cttttaagag cacattcttc tgtaaggaga aaggcagcat tctggctaaa atgtgtagaa 960
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 aaaaaaaggg sggccgcncct aggggnncca 1230

<210> 1510
 <211> 1013
 <212> DNA
 <213> Homo sapiens

<400> 1510
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 gctgggtccc atctaaaggc ctgacactgc agtgaagggc atgctaagtc taggcacagg 180
 tcctggcagc aggaaggaga cagagcctct cccaggcaca catccccggg tggagacagt 240
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 acccaatctt ggagaggtgc aaaaagcact gggggctacc cgttagctgc atctgccttg 360
 gctgtttgcc cgttcatgtc aaaaactgcc actactatgt acctgcagtg gggttgcaga 420
 gatgggggag actcaagtct tactccccag gagctcccag ggcccaagga ggagaatgct 480

941

```

gcctcctttc agtctgggtct acaccactt tctggtagcc tctctgcttc ctgtaattct 540
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ttaacctggt ttcttgtatg taaactcctt gagggcaaga acatgtttga acataaaaaa 960
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```

<210> 1511

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1511

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gaggccattc ttgatgttgc ttctagatct catgtcatca ccgagccctc agctgctggt 180
ggcagctgct cagcagaccc ttggcatggg aaagagacgg agtccacccc aagccatctg 240
ccttcactta gctggagagg tgctggctgt ggcccgggga ctgaagccag ctgtgctcta 300
tgattgcaac tgtgcagggg catcagagct ccagagctat ctggaggagc tgaaggggct 360
tggtcttcctg acttttggac ttcacatcct tgagattgga gaaaacagcc tgattgtcag 420
tcctgagcat gtatgtcagc acttgagaca ggtgct 456

```

<210> 1512

<211> 2167

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1745)

<223> n equals a,t,g, or c

<220>

942

<221> misc feature

<222> (2063)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2156)

<223> n equals a,t,g, or c

<400> 1512

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gtgatacatg aaaagataat gaacaccttc gtcattaggg aaatacgact cagaaccaca 180
gttagaggac gagtggtggc aaggatgtgg agaactggg gctgtaaaat ggtgcagctg 240
ctttggaaaa caatctagca gttcctcaga angttaccaa aaggtcatat agagttaccc 300
tatgacccag caatttcact cctagctata taatcacaca aaaaacacaa atgttcatag 360
cattacttat aatagcctaa aargggaaac aacccaaagt gtccatcagt taatgaatgg 420
ataaagagtg tgcattcatt catacagtag gatgttactt ggcaataaaa aggaatgaag 480
tattcataca tactgcagta tagatkaacc ttgaaaacat gcggagtga aaraaccaaa 540
tacgaaaggc cacgaattac atgrttccat ttttaggaag tgtccagaat atgcaaatcc 600
atggagacag aaagtacaga ctggtgactg ctaaggatgg gacaggggga atgagcacta 660
gtcagtatac ggtttctttt tggggtggta aaaatgttct gtagtggtga tggttgcaca 720
actgagtata ataaaacata ctgaattaty tattttaaaa gggttaaggct ggactcagt 780
gtcacgcct gtaatcccag cactttggga agctgagggt caaggattgc ttgggaccag 840
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tgactaattt acatttttag gaagtagaaa accaaatgta ttatacctgt aaagggaatg 1980
gagagaagac taataaggca atccatctat gacccaagac atttttatcc tatgatttta 2040
acttttagtta ggtctctgta agngctggct gttgctagat tatttgaaaa ttttgggagg 2100
gagtttggat tngctgggag gatgggagag gggaaccatt gggtgagggg cccggnntaat 2160

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943

tgctgtg

2167

<210> 1513

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1513

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cagtggtcag ttacatgtcc ccacagttcc aatgtgcctg ttactcacc tctcccttcc 180
ccaacccttc tctacttggc tgctgtttta aagtttgccc ttccccaat ttggattttt 240
attacagatc taaagctctt tcgattttat actgattaaa tcagtactgc agtatttgat 300
taaccaagct tctgcagatt ttgtgattct tgggactttt ttgacgtaag aaatacttct 360
ttatttatgc atattcttcc cacagtgatt tttccagcat tcttctgcca tatgccttag 420
ggcttttata aaatagaaaa ttaggcattc tgatatttct ttagctgctt tgtgtgaaac 480
catggtgtaa aagcacagct ggctgctttt tactgcttgt gtagtcacga gtccattgta 540
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aattatctta caaactaaac tatcatcaca ctaccttgta tgscagcacc tgggtaacag 720
tagrggattt twatacatta atcttgatct ggtttaatct tgatctggtt tagtagagat 780
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<210> 1514

<211> 1364

<212> DNA

<213> Homo sapiens

<400> 1514

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atgaaagtct gtacattgta tttatgctat tggatttgct atgacctgaa actaaaagga 240
gttggtgaaa agatttctta tggaaacagaa atatcccttt tgattaatat cacaatctcg 300
taaattgaga aaacaaawaa tatatactac tggagcattc atgtatagtt ggagattatg 360
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ctgtattgaa ataacgaaaa gcagtcacat ttttaataata gaagcttcct agcttactct 480
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agtaaggctg tcaaaggcag caaaatgtct ttctgtttgg aagaataaca taaacttgac 600
atgtatggtg ggggacagaa ggtttcaaaa gtttaagaat ctgtgttgct ttaacaaata 660
gatgcttctc aaggasstta cgytagtggt tactctgtcc agtcagggtt ttttcttctt 720
taacttggtt tcatttctct atggcacaca tgaagtttgg atcatatggt ttgacttttag 780
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accacttaa aaacccttcc tattacaggt cttcacattt aggccttaat tgcttaattc 1260
aaatgtaaaa atacacctgc ctttgttctc agtgaaagta tgtaataaat aaatgagggg 1320

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944

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1364

<210> 1515

<211> 1493

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1492)

<223> n equals a,t,g, or c

<400> 1515

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catcctcagc agctgattca ggagatgatg gtaaagctag ctaactatga attaaacatt 180
cacatatcca gtctacctgg tccagtaata atacaagcaa atcttgtatt tcaggaacaa 240
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gccattttca tattttgggg ttttgtctact cttatacaat ggaatcaatg gaaatgtcat 660
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atgttactga tgctgtaaat tatttttaat aaagaaaatt gtattatcaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg ggggcccntt tna 1493
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<210> 1516

<211> 2109

945

<212> DNA

<213> Homo sapiens

<400> 1516

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gagcagaggg aggcagttgg ggttgaactt cggaactagg ccgggtctyc tgacagatca 120
caagacaccc cagaggatct tcagcagtc tacttcccat tctctataga gctttgaagc 180
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agtctctct 2109

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<210> 1517

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1517

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gcttctccaa atcaaaccac agtatatgtt gtaacaatat ctatgaccac tgtagccca 60
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ttcgaataat aaaaayacwg trtttttaaa agggaaatgc acttaaatga aaacagttat 180
tacaaaagtt aagatttaaa aagaaaaagc aagagttttt attatgatgk aataccagta 240

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946

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gaatattttaa aaggcacacc acatctgaat aatcaatgta aatattttct ttcaaagttg 300
taagttttca tatcatgtgc tgtaaagttt tcctaaatga ggctttaacg taaacactgg 360
tgacataaac cattcattgc tacgttgctt attgtgtttt tatgctgttt tatacttttt 420
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ttttatcttg ctatagaata aacacatttc agtaaaaact gtggactgta ttttgatgca 540
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<210> 1518

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1518

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cgtggctgag gggacccggc gcgggaggag cgggcgcggg cgcgaaagg agatctttgt 60
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gtgggttgcg ttgcctttat gatgccgtgt tattggaacc ctggcgaaaa atggaactag 360
tgttgcaata atgagtttta aagctcccc atggaaaaca aaaacacaac caaaccgatt 420
tttta 425

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<210> 1519

<211> 1186

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1177)

<223> n equals a,t,g, or c

<400> 1519

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ggaaaacttg aagtccaagc cgtgctgctg attccgtctc acagttttaa gactgtccag 60
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gggcagaaag ccaaagtact ggactgcctg gttcagggt gaacgcctag tacacctgct 180
aacttggagc ttcagagcca tggcaaccaa ggagtcaaga gacgcaaag cacagttggc 240
cctctcctca tcggccaatc agagcaagga agtgctgaa aacccaaact atgctctcaa 300
atgtactctt gtgggacaca cggaagcagt gtcacagtt aagtttagtc ctaatggaga 360
atggctagca agktcttctg ctgataggct aatcataatt tgggggagca tatgatggaa 420
aatatgagaa aacactctat ggtcataatt tggaaatc ggatgttgcc tggkcatcag 480

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947

```

attcmagkcg ycttgkttct gcctyaratg ataaaactct aaaattatgg gatgtgagat 540
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atccgccatc caaccttata atctcgggat cttttgatga gactgtaaaa atatgggagg 660
tgaaaacagg aaagtgtctc aagactttgt ctgctcattc tgaccagtt tctgtgttc 720
attttaattg tagtgggtcc ttgatagtgt caggtagcta tgatggcctc tgtagaatct 780
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ttaaactatg ggattatagc agaggcaggt gcctgaaaac atacactggc cataagaatg 960
araaatattg catatttgcc aatttttcag ttactgggtg aaagtggatt gtgtctggtt 1020
ccgaggataa ccgggtttac atttgggaac cttcagacta aagagattgt gcaggaaatt 1080
acaaggccat acagatgttg tgatctcagg cagcttggtc atcctacagg aaaacctcat 1140
cggcntcagc aggcnttagg gaaaatggac aaaacantta aactgt 1186

```

<210> 1520

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<400> 1520

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tcgacccacg cgtcgcaca agargaccaa acatgtacca agtgggtgctt ctgtttgttg 60
ttgtccctga gctgcaggaa catcagtcca aaccgagcag gccatcaccc agagtagcag 120
acaaccctga agagggcaga gagccacata atgacaggcc tgtgagcatg gcctttgggt 180
gccagccaga gcatgtgtat gctgagtgtg gaaagacctc cagaccgccc ccaaccccca 240
agctctttcc acagtccacc gtaganaaca ccacccctc ctttaccagt gggacacaag 300
aatncttggt tgtcttcctt atttccattt ccagaagact tttttccact ccacttttcc 360
ttcctccgca atttgcaatc cctttgttgg ctttataagt tattaagctt tttccactcc 420
tgggtggcctt tttcccccta gcnagctccc ctgancccg 460

```

<210> 1521

<211> 1672

<212> DNA

948

<213> Homo sapiens

<220>

<221> misc feature

<222> (1583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1645)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1663)

<223> n equals a,t,g, or c

<400> 1521

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ccagcctcca ggcacccggg atccagcgcc gccgctcata acacccgcga ccccgagct 60
aagcgcagct cccgacgcaa tggacccggc gctggcagcc cagatgagcg aggctgtggc 120
cgagaagatg ctccagtacc ggcgggacac agcaggctgg aagatttgcc gggaaggcaa 180
tggaagttca gtttcctgga ggccatctgt ggagtttcca gggaacctgt accgaggaga 240
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cctacgagtg aagtgggatg agaatgtgac cggttttgaa attatccaaa gcatcactga 360
caccctgtgt gtaagcagaa cctccactcc ctccgctgcc atgaagctca tttctcccag 420
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cacccatgtg gagcatccgt tatgtcccc gaagccagggt tttgtgagag gatttaacca 540
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atgctatcgt tacttcttgg caaagaactc ccgtgactca tcgaggagct ccagctgttg 780
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cggaggcagg gaggtctct gtncctttcca gggccctggg cagggccatc ctggccattc 1620
agggaaagat gggaagagtt agggntccg ttttaggcag centgggtgg ga 1672
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<210> 1522

<211> 588

<212> DNA

<213> Homo sapiens

949

<400> 1522

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aggcgtatcac caccatgact gaaaacaaaa gacttttttt tgagactccc tctcaaaaaac 60
aaaacaaaac aaaaaaatta gacaaatgct acattaatgt ttgggtgggc agattctact 120
ttgaatctga agtttgcaga tatgcctata gattttttgga gtttaccact ttcttattct 180
gtatcattaa tgtaatatatt taaattacta tatatgttac catttttctg gatttagtaa 240
gaaatttgca gttttgggtt gatgtaacaa gggttttaat gtaatttatg ttagattttg 300
catttttttc attactgtta tattttaacc tgactgactg atctaattgt attagtattg 360
tgaataatca tgtgaaatgt tttgagacag agtactatat ttgtgaatat aattttatgg 420
tttttttcac ttagaacctt tctgtgtgga aaactaagaa aattgctttc tgctgtataa 480
tctggcattc attgtagatt aaagcttatt tttctgtgaa taaaacgtat tcaataaaat 540
actattcttt aaaattawaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 588

```

<210> 1523

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (503)

<223> n equals a,t,g, or c

<400> 1523

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cggcagcagg attttactga tactgcttat ctgtttaaaa ttcagataga aagtctgaat 60
gacaaattac aaatgctaa agaacagctt cgagaaaaag agtttataat gctacaaaat 120
gaacaggaga taagtcaact gaaaaaagaa attgaaagaa cacawcaaag gatgaaagaa 180
atggasagtg ttatgaaaga gcaagaacag tacattgcca cttagtaca ggaggccata 240
gatttggggc aagaattgag gctgacccgg gagcaggtgc agaactctca tacagaattg 300
gcagaggctc gtcacagca agtccaagca cagagagaaa tagaaaggct ctctagttaa 360
ctggaggata tgaagcaact ctctaaagag aaagatgctc atggaaacca ttagctgaa 420
gaactggggg cttctaagg acgtgaagct tatttagaag caagaatgca agcagaaatc 480
aagaaattgn cacannaagt agnaatctct tcaaagaagc 520

```

<210> 1524

<211> 2791

950

<212> DNA

<213> Homo sapiens

<400> 1524

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gtcacctgac acctcaccgg tccggaattc ccgggtcgac ccacgcgtcc gcccacgcgt 60
ccgtaatccg tgggttttctg gagcatttca cagcctagga acatacaagg ggggcatctc 120
cctggaatgt aaattgacta agaggaattc aataatggtc aaatgaatgc agaatttttag 180
agtcttgctt agtattctca ccacatttcg tttartctac tcatactctt tttctcttac 240
tgctgacact agatggaaaa actcttaatt aaaagtattt cacaaaatgt gctcgttttc 300
agtcattccg tttccactcc agcctgttgt gttgtttttt tgaaataata atttaaagta 360
attttccttt tgcaggatgg catagtcaat ccaacaataa gaaaagattt gaaaactgga 420
ccgaaattct actgctgtcc aattgaaggc tgccccagag gccctgagag accgttttct 480
cagttttctc tcgtaaaaca gcactttatg aaaaatgcag ctgagaagaa gcacaaatgt 540
agtaagtgca gcaattcgta cggtagacaa tgggacctga aaagacatgc agaggactgt 600
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cacatctacc gaactgggca cgagatacct gcagaacaca gggaccacc tagtaagaaa 720
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gaaccatctt ttgaagactc ttgtggctct aacactgaca agcagactct tacaacacca 900
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tgtaggggaa attctaactt cttaggcctt gagatgtttg acacacagac acagacagac 2160
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ttgagatggt gatctaaatt gtttttgtgt tgcctacatt tgccttttca cagctagtct 2760
tttcatgtta aaaaaaaaaa aaaaaaaaaa a 2791

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951

<210> 1525
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<400> 1525
gggtcgaccc acgcgtccgc ccacgcgtct gccaaatact tgctyaaact atttgacatt 60
ttctatcttt gtgttaacag tggacacagc aaggctttcc tacataagta taataatgtg 120
ggaatgattt gggtttaatt ataaactggg gtctaaatcc taaagcaaaa ttgaaactcc 180
argatgcaaa rtccagagtgt gcattttgct actytgtctc atgccttgat agctttccaa 240
aatgaaagtt acttgaggca gctcttggtg gtgaaaagtt wtttgtagac tagagtaaga 300
ttattagggg tatgtctata cracaaaagg gggggtcttt cctaaaaaag aaaacatgat 360
gcttcatttc tacttaatgg aacttggtgt ctgagggtca ttatgggtatc gtaatrtaaa 420
gcttggtatg tgttcctgat tatctgagaa acagatatag aaaaattgtg ycggaacttaa 480
ataattttct tgaacatgc tgccataact tagattattc ttggttaaaa aataaaagtc 540
actttattct aattcttaaa gtttataata tatattaata tagctaaaat tgtatgtaat 600
caataaaacc actcttatgt ttattaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaana 687

<210> 1526
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<400> 1526
ttcaccataa tagttctaata taaaatgggc cttgctgtag gagagacaaa ggggcttttc 60
ctctagctgg taactattca gatgatggac aagtcttctt tcataaaaga ttacaaagaa 120
ggcatccgaa tcaactgtctg tgatactggg tcacatatta atcactgcag ctaattgtaa 180
atcttyctat gaaacactga aaagcctctt tgtgaattaa tacagttctg cttgatgcac 240
ttgatgtgaa aagacatttc tctgtatgtg gcgcatgtcg gctttgcttt gaaaaataac 300
aaagttagca gaatatgttc aatatatttt cttggggaat aggggttttta ttacatgatt 360
cattaaggat ttgccttacc ctgacatttg tgatataaag gaaaatcaga aaaaaagtaa 420
ttttcttgat caagatatgt ttttacttaa tgcaataaaa ttagtctgtg tgcttgcaag 480
gaaaaaaaaa tggcttctga tatctggtat aaactgctaa ataggataat acgtgcctct 540
tttggttaaac cggcatttaa atgctggact gcttctaaat ctgtttgttt cttntcatct 600
gtgccataca ctaaaaaaca actgttgctt tcatactata tttgttagag cagaatacaa 660
ataaaatttg agaggatwat gtgaaaatta taattaaaag ggcgggccg 708

<210> 1527
<211> 618

952

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 1527

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ttcacacaat atggggcagc atgcttttgt gacttttaaaa tagatcaagg aacttttgct 60
tttgaagaga gaaatttcct tggncctggtg acaagagcag tagatgtgcc caagagtaag 120
gatgtgtgtt gtccttgggt tagccactgt aggtttataa cctggtagga aattttcata 180
ggaagggcca aaaattcaag atgctcattt gcaagttgtc ttctagggtg ttgcctgaac 240
ctaggctgca gtagaagtgg ggcttggagg taggcgatat tgaaatccca ggtaaatgct 300
aatctccatc tcagatccag gacaatgcag accagcttcc ttttgggaaa tggaggttct 360
tarttaatat gttctggctc ttacatttct gataccgcta ctggtgccaa cctaaatcag 420
cagcctagtt ctcagcagaa ggcagcagag gatggcaagg ttggagggtg gatagaagct 480
gtgggagttg ggtggctcct gtctgcacac tggacaaggg gcaccctgag aaaaataatt 540
cttttaaaaa ttaaaaaaaa aataagctgt gggagttgag ggtttaattg cttggccact 600
tggccttctc ctcgtgcc                                     618
```

<210> 1528

<211> 1103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1074)

<223> n equals a,t,g, or c

<400> 1528

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cgcacgccaa acgggttttg aggacctct tcgccttcgg agagcagagt caacacggag 60
agttttggga ctggaattaa ataaagacag agatgttgaa agaatccacg gcggtggaat 120
taacaccctt gacattgaac ctgttgaaagg gagatacatg ttatcagggtg gttcagatgg 180
tgtgattgta ctttatgacc ttgagaactc cagcagacaa tcttattaca catgtaaacg 240
agtgtgttcc attggcagag atcatectga tgttcacaga tacagtgtgg agactgtaca 300
gtggtatcct catgacactg gcatgttcac atcaagctca tttgataaaa ctctgaaagt 360
atgggataca aatacattac aaactgcaga tgtattttaat tttgaggaaa cagtttatag 420
tcacatcatg tctccagtct ccaccaagca ctgtttggtg gcagttggta ctagaggacc 480
caaagtacaa ctttgtgact tgaagtctgg atcctgttct cacattctac agggtcacag 540
acaagaaata ttagcagttt cctggtctcc acgttatgac tatatcttgg caacagcaag 600
tgctgacagt agagtaaaat tatgggatgt gagaagagca tcaggatgtt tgattactct 660
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gaaagttaat ggcttatgtt ttacaagtga tggacttcac ctctcactg ttggtacaga 780
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tgaaccagtt cctgatgatg gtg                                     1103
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953

<210> 1529
<211> 220
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<400> 1529
taaaaaaagn ggggtttaaa ccggccccc tttggggccc aaaggagggt tttaaccccc 60
cggggggggkt tcccccggg ggggraaaaa attttttccc ccccccggg ggggggggttt 120
cccgggaaac cccccccaa aaccggggcc cgggktttcc ccccggggg ggggcctttc 180
caaaaatttt tttttgccca aaacnttcc caaaaaattt 220

<210> 1530
<211> 438
<212> DNA
<213> Homo sapiens

<400> 1530
gaggggcggc gggctagtaa ccatagcggc tcgctgggt cggctggcaa gtaaccatag 60
cggcgagcgt gggcgaggat gtggtctggt agtcctctgc gtgccctcct gggagctggg 120
tgctgtgagt cctcccctag cgggctgggt tcggcgcgga gtcggcgccg aacccgagct 180
gctgctctgg ggcgtgtgcc tagggcgagc ggctggagcg cggggctgcg cggttgctcg 240
cgstccgctg aggtctctag gaaagggggc gatttgaggg ttccgccgtg accgcttcca 300
rcggcgagca cgcgcgctct ggaccagagc cgttgcccg tgtctcgta cccgaagcct 360
cctcctgacg ccgtgctagt gcgaggggtc ccaggggaat tcggggcaca agtcggggccg 420
gagcatccgg gcggccgc 438

<210> 1531
<211> 2062
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1022)
<223> n equals a,t,g, or c

<400> 1531
gcccacgcgt ccgcccgact cggagcccct cggcgggcgc cggcccagga cccgcctagg 60
agcgaggag cccagcgca gagaccccaa cgccgagacc cccgccccgg ccccgccg 120
cttctcccc acgcaragca aaccgcccag agtagaarat ggattggggc acgctgcaga 180

954

```

cgatcctggg ggggtgtgaac aaacactcca ccagcattgg aaagatctgg ctcaccgtcc 240
tcttcatttt tcgcattatg atcctcgttg tggctgcaaa ggargtgtgg ggagatgarc 300
aggccgactt tgtctgcaac accctgcagc caggctgcaa gaacgtgtgc tacgatcact 360
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cgctcctagt ggccatgcac gtggcctacc ggagacatga gaagaagagg aagttcatca 480
agggggagat aaagagtga ttaaggaca tcgaggagat caaaaccag aaggtccgca 540
tcgaaggctc cctgtggtgg acctacacaa gcagcatctt cttccgggtc atcttcgaag 600
ccgccttcat gtacgtcttc tatgtcatgt acgacggctt ctccatgcag cggctggtga 660
agtgaacgc ctggccttgt cccaacactg tggactgctt tgtgtcccg cccacggaga 720
agactgtctt cacagtgttc atgattgcag tgtctggaat ttgcatcctg ctgaatgtca 780
ctgaattgtg ttaatttgcta attagatatt gttctgggaa gtcaaaaaag ccagtttaac 840
gcattgccca gttgttagat taagaaatag acagcatgag agggatgagg caaccgtgc 900
tcagctgtca aggtcagtc gcyagcattt ccaacacaa agattctgac cttaaattgca 960
accatttgaa acccctgtag gcctcaggtg aaactccaga tgccacaatg gagctctgct 1020
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acgttaaagg tgaacattgg ttctttcatt tgctttggaa gttttaatct ctaacagtgg 1320
acaaagttac cagtgcctta aactctgtta cactttttgg aagtgaaaac tttgtagtat 1380
gataggttat tttgatgtaa agatgttctg gataccatta tatgttcccc ctgtttcaga 1440
ggctcagatt gtaatatgta aatggatatg cattcgctac tatgatttaa tttgaaatat 1500
ggctcttttg ttatgaatac tttgcagcac agctgagagg ctgtctgttg tattcattgt 1560
ggctcatagca cctaacaaca ttgtagctc aatcgagtga gacagactag aagttcctag 1620
tgatggctta tgatagcaaa tggcctcatg tcaaatattt agatgtaatt ttgtgtaaga 1680
aatacagact ggatgtacca ccaactacta cctgtaatga caggcctgtc caacacatct 1740
cccttttcca tgactgtggt agccagcatc ggaaagaacg ctgatttaaa gaggtcgctt 1800
gggaatttta ttgacacagt accatttaat ggggaggaca aaatggggca ggggaggag 1860
aagtttctgt cgttaaaaac agatttgga agactggact ctaaattctg ttgattaaag 1920
atgagctttg tctacttcaa aagtttggtt gcttaccctc tcagcctcca attttttaag 1980
tgaaatatac tataacagtg aaagatagaa gcyaagggtta gataatatga gcrtctakag 2040
gaagrattga aacccccctt tg
2062

```

<210> 1532

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<400> 1532

```

cccgcgcgag gcgaagtgc tgagactctg cctgcttctc acccagctgc ctgggcgctg 60
ccccggctgc tcgccgcccc tccctttgcc cttcacggcg cccggccctc cttgggctgc 120

```

955

```

ggcttctgtg cgaggetggg cagccagccc ttccccctct ntttctcccc gtccccctccc 180
cccgaccgta gcaccagagt cgcgggtcct gcagtgcccc agaagccgca cgtataactc 240
cctcgggcggg taactcatte gactgtggag ttcttttaat tcttatgaaa gatttcaaat 300
cctctagaag ccaaaaatggg acacagtaaa cagattcgna ttttacttct gaacgaaatg 360
gagaaactgg aaaagacctt cttcagactt gaacaagggt atgagctaca gttccgatta 420
ggcccaactt tacagggaaa agcagttacc gtgtatacaa attaccattt tctggagaaa 480
catttaatag agaaaaattc cgttctcagg attgggaaaa tccaacagaa agagaagatg 540
attctgataa atactgtaaa cttaatctgc aacaatcggg ttcatttcag tattattycc 600
ttcaaggaaa tgagaaaagk ggtggagktt acatagtgtg gsmccccatt ttacgtgttg 660
ktgctgataa tcatgtgcta cccttggact gtgttactct wcagacattt ttagcwaagt 720
gtttgggacc ttttgatgaa tgggaaagca gacttagggg tgcaaaagaa tcaggctaca 780
acatgattca ttttacccca ttgcagactc ttggactatc taggtcatgc tactcccttg 840
ccaatcagtt agaattaaat cctgactttt caagacctaa tagaaagtat acctggaatg 900
wtgttgga gctagtggaa aaattaaaaa aggaatggat tgttttttgt attactgatg 960
ttgtctacaa tcatactgct gctaatagta attgtatcca ggaacacca gaatgtgcct 1020
atattcttgt gatttctcca cactaaaacc ctgcctgggt cttagacaga gcactttggc 1080
ttttctcctg tgatgttgca gaagggaaat acaaagaaaa gggaatacct gctttgattg 1140
aaaatgatca ccatatga                                     1158

```

<210> 1533

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<400> 1533

```

gggtgttcac tattgtgaat ttataatctt aaaagttggg gatgctaaaa gtaccagact 60
aaaatamtac gaggttttct catcttttaa ttccattttg ttagaaaaaa atartcacia 120
ccgggggttct tttaccttcc cccagccatc tagactgctt tactgcaatg ttgggaagat 180
tgcatacaat aaaaactgta gctagtgtat tgggatttgg gaaaattgaa tcaagcattt 240
gcattcatcc agaatggtct taaactgctg actgtggggg gcccacagga tgagcactgg 300
tgcatgggtt gggaggaatt tccttggata ctgcaattgc atttgaaaga tctattttcc 360
aaaacctgag cagagagagg ctaggaggaa tgcagacagg acattgaaaa tgcgaattcc 420
ctttactagt agaactgaa atatctgata aatggtttta aaaaaataag tgccaggata 480
cattgtagta taaaggttca actagtataa tttaaaatga gtctttatat tcaggncagg 540
gtgcgggtggc tcacacctgt taatnccag cacttt                                     576

```

<210> 1534

<211> 901

<212> DNA

<213> Homo sapiens

956

<400> 1534

```
gtgcgcgccg gtcctgcggc agctggccca agacccggag ccgaaaggaa gtgttgaggc 60
ctgaggtcgc tccggccgct aggaggacgc tgtgcctggc ctgggacctc cgctcccgcc 120
caccgccctg gagccgctga gggacgtcca cgtgggcctg tccccgccga gcccgggccc 180
tgtccgctgg cgctgctctc gggccactac ctctactacc actacggctg cgacggcctg 240
gacgaccgcg gctggggytg cggctaccgc actctgcaga cgctgtgctc gtggccagag 300
ggccagcccc cgggcgtacc tggactggcc gccgtacagg cggccctgga ggacatgggc 360
gacaagcccc ccggcttccg gggctcccgg gactggatcg gctgcgtgga ggccagcctc 420
tgctctgctc acttcggagg gccccaggga cgctctgcc acgtaccccc gggagtgggg 480
ctgcacgggg agstggagag gctttactcg cacttcgcag ggggtggggg cccagtcatt 540
gttggggggg acscagatgc caggccaag gccttgctgg gartctgcgt cgggtcaggc 600
acggaagcct atgtcctggt attggaccct cactactggg gcaactccaa aagccccagt 660
gaactacagg ctgctgggtg ggtgggctgg caagagggtg gtgcagcctt tgaccccaac 720
tcctttetaca acctgtgctt gaccagcctt agctcccaac agcagcagcg caccttggac 780
tgaggacgaa gttacagaac tgagattctc ggggtcccaga caccaccta tgtacctccc 840
actggtgtcc ctgcaaagcc tggcgctttt gacatcaata ataaaagtgg cagggtgag 900
c 901
```

<210> 1535

<211> 1152

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1147)

<223> n equals a,t,g, or c

<400> 1535

```
caccncatt aagggancaa agctggtgct ccaccgggt ggcggccgct ctagaactag 60
tggntcccc gggctgcagg aattcggcac gagctctttc aggctttaat agatattcaa 120
```


957

```

gaattttatg aagtgacctt actggataat ccaaaatgta tagatcgttc aaagccgtct 180
gaaccaattc aacctgtgaa tacttgggag atttccagcc ttccaagctc tactgtgact 240
tcagagacac tgccaagcag ccttagccct agtgtagaga aatacaggta tcaggatgaa 300
gatacacctc ctcaagagca tatttcccca caaatcacaa atgaagtgat aggtccagaa 360
ttggttcacg tctcagagaa gaacttatca gagattgaga atgtccatgg atttgtttct 420
cattctcata tttcaccaat aaagccaaca gaagctgttc ttccctctcc tcccactgtc 480
cctgtgatcc ctgtcctgcc agtccttgcg gagaatactg kcatcctacc caccatacca 540
caggcaaatc ctcccsagc actgggtcaac acagatagct tggaaacacc aacttacgtt 600
aatggcacag atgcagatta tgaatatgaa gaaatcacac ttgaaagggg aaattcaggg 660
cttggtttca gcattgcagg aggtacggac aacccacaca ttggagatga ctcaagtatt 720
ttcattacca aaattatcac aggggggagc gccgccaag atggaagatt gcgggtcaat 780
gactgtatat tacgagtaaa tgaagtagat gttcgtgatg taacacatag caaagcagtt 840
gaagcgttga aagaagcagg gtctaytgta cgcttgatg taaaagaag gaaaccagtg 900
tcagaaaaaa taatggaaat aaagctcatt aaaggtccta aaggtcttgg gtttagmatt 960
gctggagggtg ttggaaatca gcatattsct ggggataata gcatctatgt aaccrraata 1020
attgaaggag gtgcagcaca taaggatggc aaacttcaga ttggagataa acttttagca 1080
gtgaataacg tatgtttaga agaagttact catgaagaag cagtantctgc cttaaagagc 1140
acatctnatt tt 1152

```

<210> 1536

<211> 1532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<400> 1536

```

gaagaggacc tcgatactgt ccctccattg aatcaaaagt tttgcgtttt ccaaaccgtc 60
tacatcaggt ttggttgga cctgaaggaa tggattctga ccttatctac ccacaggggt 120
tatctatgac gctaccagct gagttacaag agaaaatgat cacatgcac agaggcttgg 180
agaaagctaa agtgattcag ccaggctacg gtgntcagta tgattactta natccccgtc 240
agatcacccc ttccctggan actcatttgg ttcaacgact cttctttgct ggacagatca 300
atggcaccac tgggttatgag gaagctgcag ctcaagggtg gatagccgga atcaacgcca 360
tcttcgggtc agtcgcaagc ctcccttggg ggtagccga acagaagggtt acataggagt 420
cttgattgat gacctacta ctctgggcac caktgaacca taccgcatgt ttaccagccg 480
agtagagttc cgtttgtcac tgcgccctga taatgctgac agccgggtca cactgcgagg 540
gtataaagac gctggctgtg tgtcccaaca acgatatgaa agagcttgtt ggatgaagtc 600
ttcttttagaa gaaggcattt ctgtgttgaa atctattgag tttttgagct ctaaatggaa 660

```

958

```

aaaattaatc ccagaggctt ctataagtac tagtagaagt ctgcctgtca gagctctcga 720
tggtctgaag tatgaggaag ttgacatgga ttcattagcc aaggctgttc cagagccctt 780
gaagaagtat actaaatgta gagagctggc tgaaagactg aaaatagaag ccacttatga 840
atcagtgttg ttccatcaac tacaagaaat aaagggagtt cagcaagatg aagctctcca 900
actgccaaaa gacctagatt atttgactat cagggatgtg tctttgtccc atgaagttcg 960
agagaaacta cattttagtc gtccacagac gatcggggct gctagtcgca taccgggagt 1020
aacacctgcc gccatcatca atctgctgag atttgtgaag accactcaac gaagacagtc 1080
ggctatgaat gaatcatcca agactgatca atacttatgt gatgcagaca gacttcaaga 1140
gagagagtta tagctttcaa ttcataaaag atttttaaag agcatataaa taatttgatc 1200
aatacaacag tatagataaa agaattatct agcacatgtt aaaatagctt tattagggtta 1260
ctatgggttt gccattaatt tctgagtggg acagaaatta taattgtgct ttttcgtgta 1320
tatgaaaaaa ctagtctgta acaatttgta ctctttcttt aaggagctgt aatacaaata 1380
actttgtgca gtgttcatca aagagagaga cagtgaacct aaaactgaac ctggaataaa 1440
actcaacatg cagatttgcc tactcatagg gactttgcct attaagtcta ccaaattaaa 1500
agtcttatca ttcaaaaaaa aaaaaaaaaa aa 1532

```

<210> 1537

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 1537

```

cttgggtatc ggctattgcc tgagtgtgct agagtcctcg aagagtaact gctgacctta 60
ttcactggct gtgggcctta tggcacagtc agtcaccagg ttagagacat gcttcacatt 120
cacctacca caaactagtg gatgataaat tttggctatt cagaagacgt ttattatagg 180
agtatgtaga ttttccatag agtgctgtta tgtgacttga attttagtct cggccctgcc 240
tctgacattg tcgggtgggtt atcctgggtc caggaaataa gactagcctt ttcctcatga 300
tagtctttgg tgggttttaa aacagttggt taagtcaaca gatgtatcat atgcctgaca 360
ctgctctaca ccagtgaata atttacactc taataggggg tggttaactat aaagatgata 420
aacatagcat cttaattggn gtgtgtatga aggtggttgt tacctcttnc tagccacca 480
gg 482

```

<210> 1538

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1538

```

gagaccggaa atatgaaagg ataagttcag gatgtattcg ttccaagtcc ctttctctgc 60
aaatgcgcca cagcaagtat tggaagggcc ccccgccagc cagtccggcc atgtctccca 120
caaccctggt ggtcactgga gccacttccc tgcccacgcc agcacctat gccatgctg 180

```

959

agttccagcg ggtcaccatc agcggagatt actgtgccgg gatcactttg gaggactatg 240
agcaggcagc caagagtctg ccaaggccct aatgatccgg gagaagtatg cgggctcgcc 300
taccacacctt cccgcggatc acatcccagt acctgggtca tcgcgggcgg atactgcacc 360
tccggaagag ggccttccag acttccaccc tcttccactg cccaggaag acccctactg 420
cctggatgat gcacccccca acctggatta cttgggtccac atgcaggggg gcatectctt 480
tgtgtatgat aacaagaaga tgctggagca ccaggagccg cacagcctac cctaccccga 540
cctggagacc tacacggtgg acatgagcca catcctggct ctcacaccg atggccccac 600
gaaaacctat tgtaaccggc gactgaactt tctggaatcc aagtccagcc ttcagagat 660
gttaaacgaa atgtccgagt tcaaagagtt gaagagtaac cccaccggg acttctataa 720
cgt 723

<210> 1539

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 1539

taataatgtg tagagctaaa ggaagcagtg gagacaacct gaagtagaag tgtttcacag 60
agaatgctaa tttctggagc ctgagccact actttttttt tttttaaca gatagaacag 120
acttagcttt ctgaagagct ttaaaaactc ttgatgcctg tgccctgttac tacagaatgc 180
tctgctgtct gccttttagag tgtagaaatc ctagttagac tagtattctg gctacttctg 240
tagtctaaac atttacttct tgaggggctt ggggcattta ttcagagcca aggctctggt 300
tcattaagga taagaggaat ggaataatta aagacatcgg tcatcaacta attcccattc 360
ctcctttcct tgctccttgt ttcctcagct gtaaaatcac aatgattctg ataccacct 420
ttataatatt gctctgagga ttaaatttggt taatcaacat aaagcactga tcacattgcc 480
cagtgcatag taagcgctct aaatatctgc tattttttatc atgtagtggt ggttgaaatt 540
ggttttgngt tctccactct tagtttaaaa aatagtatga gtcgaatgtt tcatattgcc 600
ctgtctcagg ggaaaaaaaaa aattgctttt tgcatagctc tcagttgatt cccactcact 660
atgatggcta tatagaacac aagtctctta ccatttctgc agtattttaa aaattccttt 720
aaaaaactaa atattttattg tgggacaaaa tattatatgc ttacttagaa tattgggaag 780
atggtaaaga atacaaagaa aaaaacaatt gtaccctca ttctagacac aacttgctgt 840
tcacgtcttt ggggtgtatt tccattccta ctagatggaa ccatttatat gtttacctaa 900
ttcggatcat gttgcataca gttttgttcc cttcaaa 937

<210> 1540

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

960

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<400> 1540

```

ggccgtggcc accaagcccc ggccgcagttt ctctccgccc acggcaggag cgaaggaagg 60
ccctgngcgc agcgggtaaa ctgccaccgc ggccggccac ccgctgcgcc cccggcccgc 120
aagaggcagt cccaataggt tggcccgnct ggccgaagtc cggccggagc ccgctcacct 180
gtcagcccc actgccgaca gggacactaa caggtgaaga tctcgggaga ccatgactaa 240
gaaaagaatt gctgtgattg ggggaggagt gagcggctct cttncatcaa gtgctgcgta 300
gaagaaggct tgggaacctg tctgctttga aaggactgat gacatcggaa gggctctgga 360
ggttccaggg a 371

```

<210> 1541

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<400> 1541

```

accaacctca ctaaaggagc aaaagctgga gctccaccgc ggtggcggcc gctctagaac 60
tagtggtatc cccgggctgc aggcggagtg gggccctgca gcttccccgc gaggaaggag 120
acaggtegca ggatgtcttg cagtggatgc tggagagtga gcggcagagc aagcccaagc 180
cccatagtgc ccaaagcaca aaaaaggcct accccttgga gtctgcccgc tcgtctccag 240
gngaacgagc cagccggcac catctgtggg ggggcaacag cgggcacccc cgcaccaccc 300
cccgctgccc cctgttcacc caggaccctg cgatgcctcc cctgacccca cccaacangc 360
tggnttcagc tggaggaggm ctgtcgcagg ctagtggagg tgtcgaagcc cccaaagcag 420
cgggtgcttg tggccagtca gcagagggac aggaatcatt cggccactgt tcagacggga 480
gccacamcct tctccaatcc aagcctggct ccagaagatc acaaagagcc aaagaaactg 540
gcagggtgtc acgcgctcca ggccagttag ttggttgtea cttacttttt ctgtggggaa 600
gaaattccat accggaggat gctgaaggct cagagcttga ccctggggca ctttaaagag 660
cagctcagca aaaagggaaa ttataggtat tacttcaaaa aagcaagcga tgagtgtgcc 720
tgtggagcgg tgtttgagga gatctgggag gatgagacgg tgctcccgat gtatgaaggc 780

```

961

cggattcttg gcaaagtgga gcgatcgat tgagccctgg ggtctggctt tggatgaactg 840
 ttggagccccg aagctcttgt gaactgtctt ggctgtgagc aactgcgaca aaacattttg 900
 aaggaa 906

<210> 1542
 <211> 979
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (61)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (735)
 <223> n equals a,t,g, or c

<400> 1542
 aatgaacaag ctgaatgagc tagagaaaat atgtgaaata ctgcaggctg aaaagtatga 60
 nctcgtaact gagctgaatg attcaaggtc agaatgtatc acagcaacta ggaaaatggc 120
 agaagaggta gggaaactac taaatgaagt taaaatatta aatgatgaca gtggtcttct 180
 ccatgggtgag ttagtggaag acataccagg aggtgaattt ggtgaacaac caaatgaaca 240
 gcaccctgtg tctttggctc cattggacga gagtaattcc tacgagcact tgacattgtc 300
 agacaaagaa gttcaaagtc actttgccga attgcaagwg aaattctmmt ctttaciaaag 360
 tgaacacaaa attttacatg atcagcactg tcagatgagc tctaaaatgt cagagctgca 420
 gacctatggt gactcattaa aggccgaaaa tttggtcttg tcaacgaatc tgagaaactt 480
 tcaagggtgac ttggtgaagg agatgcagct gggcttgag gaggggctcg ttccatccct 540
 gtcacctctt tgtgtgcctg acagctctag tcttagcagt ttgggagact cctcctttta 600
 cagagctctt ttagaacaga caggagatat gtctcttttg agtaatttag aaggggctgt 660
 ttcagcaaac cagtgcagtg tagatgaagt attttgcagc agtctgcagg aggagaatct 720
 gaccaggaaa gaaanccctt cggccccagc gaagggtgtt gaagagcttg agtccctctg 780
 tgagggtgtac cggcagtcctc tcgagaagct agaagagaaa atggaaagtc aagggaattat 840
 gaaaaataag gaaattcaag agctcgagca gttattaagt tctgaaggca agagcttgac 900
 tgccttagga gcagtatttg tcagacatga cagtggcaca gagctgacag cgtgactctg 960
 agatgagtc agttggcgc 979

<210> 1543
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (296)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (299)

962

<223> n equals a,t,g, or c

<400> 1543

```

gcccaactgg gaaaagaagt gtatccgtct tgctcttmaa accagggagc aacacattcg 60
gagagacaag gctaccagca acatctgtac agctcaggcc ctcttggcga atatggctgc 120
catgtttgca atctaccatg gttcccatgg gctggrgcat attgcctagg agggtagata 180
atgccacttt gattttgtca gaaggctcga agcgagcagg gcatcaactc cagcatgacc 240
tgttctttga taccttgaag attcagtgtg gctgctcagt gaaggaggtc ttgggncang 300
c                                                                 301

```

<210> 1544

<211> 652

<212> DNA

<213> Homo sapiens

<400> 1544

```

ccaaataaat ttgactgatg ccaaaactga agctgccaat gtaatgaaat gttaaggtgg 60
ccataggaca gtcccttttaa taaaagcttc catgtaaaac caaaataaag gtcagtatag 120
aaagtatcat ggggtatata acaaactgaa tttttggctt ccaatccaaa ctgggctaaa 180
tggtatgttt attttaaaca aggaatttgc catggacaag atctatctgg cttactgtga 240
gtagaagta cgccctgccg taacactggg atttccacat agtatggaag aggaagagag 300
gaaaacttaa ttaagtgttg caaaattgtt tgaggaccta ttttgggtcca ttccttatca 360
actccatgtg tgatttcaag ttatctaaag ggcattgtgac tttatttctg actaacatca 420
agttcctctc ctcatcataa caaggcgatt caaacctaaa ctgtgattct taggagatgc 480
ttccaagggg aagctccctc gttggacatc cagaagattg cattttctct tcagagtaca 540
attttccatc tgtcagagca tgtctgaata aaaatttgaa cctactacaa actacattag 600
aataattttc aagtattttt ctgtcacaaa aatgggtgtga cagaatgtgt tg          652

```

<210> 1545

<211> 2236

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2223)

<223> n equals a,t,g, or c

<400> 1545

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atgaagaaca tgacctcaag gagcttcttg tcaatgagaa gaccaagctg acgcctggca 180
aagatattaa agaggagcct gaaactgttc cttggacatc ttatgaatgt cagaaaatac 240
cttttggagg gtagaagat caggggacat ggttgttcac atttgctgcc acggaacacc 300
gccagtcttc acttggaac agaatacgcg cttgtgaaga gatcatccct aagcaggaga 360
gaagctacta aaggattgtg tcctcctcca ccttcctgtg gctcgggtctc cacctgtctc 420

```

963

```

ccattctgtg acgatgggtc aatggaagag actctgccag ctgcattact tgtgggctct 480
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ctctgaccac ttgggtcttg agtccaggga atctcaaagc cagtactgta ggaatatctt 600
gtataatttc ctgaaacttc cagcaaagag gtctatcaac tggtcagggg tcacccgagg 660
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ttcctaataa ttccagggtt ggtagcgtgg aggagaactt tgatggaaag agaaccttcc 2160
cttctgtact gttaacttaa aaataaatag ctcctgattc aaagtaaaaa aaaanaaaaa 2220
aanaaaaaaa actcga 2236

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<210> 1546

<211> 356

<212> DNA

<213> Homo sapiens

<400> 1546

```

ggataatcct ctctccctgt tcccctcatt tggctgctcc agaccctgag aaacttctac 60
ctgtcccatg ccagctgagg gtgtctgagg agctgacatc aaccccatgg atctcctgaa 120
ctgtgctgga aggtagagac aggcaggagg gcttcccatg ggtcasgaga acctgacccc 180
acaaatcaac tgatcttcaa gagacaggat ggagggaggg atcattctag agaaccctgc 240
tccttggttc tccctgtggc aaaatctggc gccaggaaga gtttgagtgt gtaggcgtgt 300
gtgtgcagggt gtaagtgtgc aggcacgtgt gtgcagggtg gtatgtacag ccgtgt 356

```

<210> 1547

<211> 1172

<212> DNA

<213> Homo sapiens

<220>

964

<221> misc feature
 <222> (778)
 <223> n equals a,t,g, or c

<400> 1547

```

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caaggccttc agatctaacg cagatgcata gacctgttgc ctgggtacttg ttcagcctgt 120
gctgggggagc cgtgggtcccg agttccctgg gaggtgaca ggggtcaagcc accctgccc 180
ccaccctccc acttcccctc ccctttcctc tccagcatta ggattcaagg gaaatctgca 240
tgaagccaat tttgagggtg gacgtgtggg gaaaataaat cattatacag taagacctgg 300
ggcttgaggg gtggggaatg gggagggaag ggcatagcct gctcctccat gagtctgaca 360
tctcggaac tgagcagctg ccggacgcct gggtcaggaa tccaagaccc cactcttaa 420
ggactgggttc ctcaaaaagc accctcaggg aaaaagggtg aaacattaca tccgtggatt 480
ctcctgccac aaccgcattg gaagaaaagg ctgccgcaac atctcagcga ggagtgaagg 540
acccatgtcc caggaaccgc gctgcgccac ctgcactcac cccctcaca ttctcttaag 600
cacccgggtg ccctccgagg cctggcgga tgggtggtgcc cacgggggtg ggcaagggct 660
caccaggacc tcaacgggca aagttgtgca cactaaaata tcaaatcaag gtgcttggtt 720
ttaagtaaa tgtttttcta aagaaagctg tgttcttctg ttgaccaga cgaatagngc 780
acagccctgt aactgcacgt gccttctgtc attgggaatg aaataaatta ttacgagaaa 840
gggacttgct ctaactggtt tgaggcctta cagttttgka tctacatttt tcccctctg 900
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tgataccttg aaaagcttct atgtgtctct ccttttggtg cctggcagct gtctaggatg 1080
atcactgatt actatttact aagtagccac atgcaataa aagttgtttg gtaaatgga 1140
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1172

```

<210> 1548

<211> 1423

<212> DNA

<213> Homo sapiens

<400> 1548

```

tgccctttct gtgagctatt tgttttggtt tgctgaaact agtccaaaac aggaaattta 60
acagacagcc acagccaaag agtgtcatgt gaattacaag aaatagagcc catttaggga 120
aagatagaac tagaaaggct tttcattata attccatgtt gaacaattga gtcatagctt 180
cttatctygg gaggaaggac acaattcaaa ggggcagtaa ggattttgta aaacgtggca 240
tccataatct actatggagc aagtgcacc atctctagga cattaagaca tttatgagaa 300
atctcaggat tcatcttctg tttttatgtt aaatgcactc cctccttttc agttaacatt 360
ataaaaagta aaaaatgaaa attttagaaa tcttgcatga gacacatgaa aaaataacta 420
aaagtttaaa tttaaatatg aaacaatttt gctgaaaata gtatccatat actatttaag 480
tcttttatgg ttatttcaag tatacaattt ctatctgtaa tgtaatatat taccacaca 540
tttttttcac aggagagaga gaatatcctc atttgtttat gctcatgtgt attttctata 600
gtgaatttca gaaactttta atatcaggta atttcaattt atgcctataa agcattgatt 660
gaaaaataac tagaattgtg catatataac acataatctc caacagaagt tactgaatac 720
attcactact atgtaatgta atttcccttt atttcttgct cttctgtttc aaactgctgc 780
tattgtagtt tacatatccc aacctttaaa aatattcctc ttattagctt tatattcact 840
ttatagaagt tgagttttta ttaaaattct tggcatcctg aagtatgtca catagcatgt 900
gctccttata aatatgttga tatctcagaa gacagcatcc cggttttcat tttataaagt 960
accatactta agaatgctgt aatacttata ttttataaca tgtttccttc gctttgcttg 1020
tcttttatgt catcagtttt aactgtttac ttcatttaac agtttacatc attcaacagt 1080
ttacttcatt aaacagtagg tggaaaaata gatgccagtc tatgaaaatc ttcccatcta 1140

```


965

tatcaaaaata cttttcaagg atatactttt caaaacaaac gatttaaatt ttatgkttaa 1200
aatataaact ttagatttaa actttattta aatatctggt tcctatgatt ttgacttcag 1260
taagktcaaa taaaatatat ttgcaattc atttttacat tataatttaa aaagaagaag 1320
cgataagtgg agtcagtttc aatgctaggt ggggtgggta atgatttttc tgggtgtgct 1380
gctaagtggg attaacaaat aaaaacattc attgcctttt aaa 1423

<210> 1549

<211> 457

<212> DNA

<213> Homo sapiens

<400> 1549

ggttctggag ctggaccagg aggagctgca gctgggccgg ggcggagcgc cgcgccgcgc 60
cagggccgcg aggaggggag tggtgctgct ggcccaccgc gagccgcccc cagcccgcgc 120
cgaggcgctt tcccgccagg ccgcctgcct tccgcctctt tccatttccc cggaatctca 180
gccggcgcg cctggacccc tgccctctc tgggtggaga agctcccggc cgcttccggt 240
ttcactcctt ctcagcctgg gctcccagcc cctctctcc ttttctgga ctggctctca 300
cccccttcgg tccccttctt ttagctcagg ctccctaccc ctccctttag cccacaagcc 360
cagaagtccc aagcttctca gtcactttcc tyagccaaag gtcccagcct tccttcttcc 420
tttcttttgc actatcccta tcttgccctt tctctat 457

<210> 1550

<211> 977

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 1550

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cacaactgca catcaaatgt ttgctgacat tggatctgtg ctgtcttcca gttgtgccat 120
cctattttac tccttaagaa atgaggaaat tcctatttgg gggcatcaac tctccctcga 180
gaaaaacaaa gctgctaagt aagattccac ctagaaaang gggaaagctn tttccnggga 240

966

```

acaccattta tacccccaca caaaataata gcatgagctg tgttttagag gagatagggt 300
gccaaaccaa attcactcct ctccagatgat agtaaagatc aaaagnattc gaaggagtt 360
ggtaaacgct ggtgtggtac atgtggcttt sctcactcat gtggatagca tggattttga 420
ttacaaaagg tgacctatag aaatagagag atgtgagcct gtgaggcca agctagagga 480
agtccaaaaga aaacttggat ttgctctttc tgacatctcg gtggttagca attattcttc 540
tgagtgggag ctggaccctg taaaggatgt tctaattctt tctgctctga gacgaatgct 600
atgggctgca gatgacttct tagaggattt gccttttgag caaataggga atctaaggga 660
ggaaattatc aactgtgcac aaggaaaaaa atagatatgt gaaaggttca cgtaaatttc 720
ctcacatcac agaagattaa aattcagaaa ggagaaaaca cagaccaaag agaagtatct 780
aagaccaaag ggatgtgttt tattaatgtc taggatgaag aaatgcatag aacattgtag 840
tacttgtaaa taactagaaa taacatgatt tagtcataat tgtgaaaaat aataataatt 900
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aaaaaaaaa aaaaaaa 977

```

<210> 1551

<211> 2540

<212> DNA

<213> Homo sapiens

<400> 1551

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ttgggtccca gaggcacacc ccttgatctg tggacctcca ggctggaca agaggctgct 120
accagaaacc ccaggccctt gttactcaaa ttcacagcca gtgtggttgt gcctgaytcc 180
tcgccagccc ctggaaccac atccacctgg ggaggggccc tctgaatgga gttctgacac 240
cgcagagggc aggccatgcc cttatccgca ctgccaggtc tgtcgcccca gcctggctca 300
gaggaggaac tcgaggagct gtgtgaacag gctgtgtgag atgttcaggc ctagctccaa 360
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gactggtgat ggtggagggt gagaggggtgc cgtttcctgc tccagctcca gacctgtct 540
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ggcgtgtgtg ggctggatcc cttgaaggct gaggttttga gggcagaaag ctagctatgg 660
gtagccaggt gttacaaagg tgctgctcct tctccaaccc ctacttggtt tccctcacc 720
caagcctcat gttcatacca gccagtgggt tcagcagaac gcatgacacc ttatcacctc 780
cctccttggg tgagctctga acaccagctt tggccctccc acagtaaggc tgctacatca 840
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967

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ttcacttcac acattatcat acttcagtga ctcagacctt gggcaaatac tctgtgcctc 1920
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ggaaaaaaag gacaccta atcctacaaa tggcttttag taaaggaacc gtgtctaagc 2460
gctaagaatg cgcaaagtat aaattatcag ccggaacgag caaacagacg gagtttttaa 2520
agataaatac gcattttttt 2540

```

<210> 1552

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (605)

<223> n equals a,t,g, or c

<400> 1552

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aattgcactt cttgtaaaga gtgagaaaaa aaatcaaagg cgctttgaaa caggggctct 120
ctgtgcaagg atgactaagt gtacgtcttt ccgtgtgtgt atgctggtga acagtcagat 180
ttatttatat ttttttgcaa gcattgaata atctaagttt taaatattat ttatcccat 240
ccgttcgtat ttatattaaa gaattctgta cctgatgggt tcagaagggt tcttgggcct 300
tttgttcmtat tgtgtattgg cgtacttaga atttttttta tttgaaagag aaatataatt 360
cctttaaacg gtaacgatgc aataaaacca gagaagatcc agcttttgaa aacagtgatt 420
taggtttgta acatccggca aaactgaaaa aaaaaatctg taaacgcgaa aaatactaga 480
tttgttttga gagttcttca ttcttctgctg ctcacattct gagaaacaaa aagaaataaa 540
gttttttattc tgaataatat ccgtnttaan aaggggttct ttggccgaag acgtgggtct 600
gcgtngaa 608

```

968

<210> 1553
<211> 784
<212> DNA
<213> Homo sapiens

<400> 1553
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tctgtgtcct gatgacaagt agctgcctag ccgtgggtggc acctcctatc acatgttaag 120
ggacccctcc ccagggccac acctggcaga aggtggctta tgatgttcgc agcttgaaag 180
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tggagtggac atgectcatt tatgtcctcc tcccttttgg aattcagcaa agctgaccag 360
catgaacatt aacacagacc ttaagtctga ttagtggcat ttacaatcta tactctctga 420
agcgtgctac ctggagtctt cctttgcatg ataaaacttt ggtctccaca accccttatc 480
ataacctaga cactcctttc tagtgataat aactctttca accaattgcc aataaaaaaa 540
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gtatacaatt aggctgtgcc cagatcacc tgggcacatg ttctcaggcc ctctgaggt 720
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aaaa 784

<210> 1554
<211> 1931
<212> DNA
<213> Homo sapiens

<400> 1554
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actgggaaca atataagttt ccagttgtca tcacaagaag cagtaatgtt tatggaccac 720
atcaatatcc agaaaagggt attccaaaat ttatatcttt gctacagcac aacaggaaat 780
gttgcatcca tgggtcaggg cttcaaaca gaaacttctt ttatgtact gatgtttag 840
aagcatttct cactgtcctc aaaaaaggga aaccagggtga aatttataac atcggaacca 900
attttgaaat gtcagttgtc cagcttgcca aagaactaat acaactgac aaagagacca 960
attcagagtc tgaatggaa aattgggttg attatgttaa tgatagacc accaatgaca 1020
tgagataccc aatgaagtca gaaaaatac atggcttagg atggagacct aaagtgcctt 1080
ggaaagaagg aataaagaaa acaattgaat ggtacagaga gaattttcac aactggaaga 1140
atgtggaaaa ggcattagaa cccttccgg tataatcacc atttatatag tcgagacagt 1200
tgtcaaagaa gaaagttatc ctacctgcc aagtggtag aaattaagt accaatgaa 1260
gtgcactctt ttcttttggg attagattca tgactttctg tataaaattc aaatgcagaa 1320
tgcctcaatc tttgggagag tttcagtaact ggcatagaat ttaaatgtca aaattctttc 1380
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970

<400> 1557

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cctccaagat ggccaccttt tttgcamagg cktwcccat cmaggggggc acagcccatt 60
caggtttgas cytgcwtggc ccmagctccy tcagtccttg cctggcaagt cctccatkgg 120
cacaacmasm ttgccttggt ggaattttca gcttttctcg agcagcagcg agaccagac 180
tcgtacaaca aacacctctt cgtgcacatt gggcatgcca accattctta cagtgaacca 240
ttgcttgaat cagtggacat tcgtcagatt tatgacaaat ttcttgaaaa gaaaggtggc 300
ttaaaggaac tgtttggaag gggccctcaa aatgccytct tcctcgtaaa attctgggct 360
gatttaaact gcaatattca agatgatgct ggggcttttt atggtgtaac cagtcagtac 420
gagagttctg aaaatatgac agtcacctgt tccaccaaag tttgctcctt tgggaagcaa 480
gtagtagwaa aagtagagac ggagtatgca aggtttgaga atgscgatt tgtataccga 540
ataraccgct ccccaatgtg tgaatatatg atcaacttca tccacaagct caaacactta 600
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gaacmcggag cacaacatca tatttacagg cttgtaaagg actgaacatg gttatttata 780
tatatagata tctgtatata cacacacaca tatgtgcaca cacacactct ctctccatta 840
tcgaacgact gactgtaaac ctcaccacac aggggtggtg cctggccccg aggtcaccct 900
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cactaatctc ctaatccatt aaactcttga acaggtatta caaaggaaga aaacttcacc 1500
ccttatcctt aacatatata gtatatttaa aaaatataaa attgtattgt actaatgtga 1560
tgatggatta tttaatg 1577

```

<210> 1558

<211> 278

<212> DNA

<213> Homo sapiens

<400> 1558

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gggcagacct gcgagagcag agggggcttc ggcaggcaac cgaccaccag gagctggtgg 60
aaatccccac caggccgctg ctgaccaagc tgagcctgat cacagcccca cggcggggag 120
agagggcgcc cgtccctcta cgtgcagggg gacatagtag aggagacaca gcgtgaggta 180
agaccaccgg cgggggagggc ctgcacgtgg gccgggtgtc cacaccgat tgggtcttcg 240
gagggttccc cagcccggga tttcgaggga gcccttca 278

```

<210> 1559

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

971

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<400> 1559

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tctgggagtc tgactgtgaa actctttaac ccaacaactc aattagcccc ttagataaag 120
acatgcttcc cagagtgaga tttttgaaat ccccttttca tccagaacta tattttaccca 180
cctattgtaa ctattcarat agagcaaat taggaggctt gataaatact aagaatttag 240
taccacagaa attattttatt attttcctg tagtccacaa ttagtgataa cgaatcctat 300
ttttgttaac tgtgacataa ctttgatgtc atatgttgtc ctatgtggtt cttcctaagt 360
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tggatgtact ggttgtaaatt gtttatatat tgtacagtac ctttatatat acacttgagg 480
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acagtttatg gcctgcattt ctttnactgt cacattggtt taatgttgct ttctaattggt 600
ggagctagggt cccatcatag tctgagtcct caaatagatt ttgtccctcc aagtaacaaa 660
ctttcaaagt cctaaaatca ggaagagtct tataataatg attttacctc tataggtata 720
ctttttattta tttataaata gagtttgaaa t 751
```

<210> 1560

<211> 1938

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<400> 1560

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tcgaccacag cgtccrgcgg taaccgccac agctgccagc gacaggatgg agagcgactc 120
agactcagac aagagtagcg acaacagtgg cctgaagagg aagacgcctg cgctaaagat 180
gtcgggtctcg aaacgagccc gaaaggcctc cagcgacctg gatcaggcca gcgtgtcccc 240
atccgaagag gagaactcgg aaagctcatc tgagtccggag aagaccagcg accaggactt 300
cacacctgag aagaaagcag cgggtccgggc gccacggagg ggcctcttgg ggggacggaa 360
aaaaaagaag gcgccgtcag cctccgactc cgactccaag gccgattcgg acggggccaa 420
gcctgagccg gtggccatgg cgcggtcggc gtcctcctcc tctcttctc cctcctctc 480
cgactccgat gtgtctgtga agaagcctcc gaggggcagg aagccagcgg agaagcctct 540
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972

```

cccgaagccg cgagggcgga aaccgaagcc tgaacggcct ccgtccagct ccagcagtga 600
cagtgcacagc gacgaggtgg accgcatcag tgagtggaaag cggcgggacg aggcgcggag 660
gcgcgagctg gaggccccgc ggcggcgaga gcaggaggag gagctgcggc gcctgcggga 720
gcaggagaag gaggagaagg agcggaggcg cgagcggggc gaccgcgggg aggtctagcg 780
gggcagcggc ggcagcagcg gggacgagct caggaggagc gatgagcccg tcaagaagcg 840
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gctggagaga gaggccaaga aatcagcgaa gaagccgcag tcctcaagca cagagcccgc 960
caggaaacct ggccagaagg agaagagagt gcgggccgag gagaagcaac aagccaagcc 1020
cgtgaaggtg gagcggaccc ggaagcggtc cgagggttc tcgatggaca ggaaggtaga 1080
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ctgtgctgtt tgtatttgtt cccttgggtt ttttttctt gcctaatttc tgtgatttcc 1860
aaccaacatg aaatgactat aaayggtttt ttaatgaaa aaaaaaaaaa aaaggcgccg 1920
cgctctagag gatccctc

```

<210> 1561

<211> 889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (886)

<223> n equals a,t,g, or c

<400> 1561

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cagcaccccc agcctgctga cagcagacag actgggtcct caaaggctct ggcccagacc 60
ctcccaccac ccacggytgc tggtgaaagc aattctgtga cctgcaactg tggccaggag 120
gctgtgctgc tcaactgtccg taaggaggcg cccaaccggg gccggcagtt ctttaagtgc 180
aacggaggta gctgcaactt cttcctgtgg gcagacagcc ccaatccggg agcaggaggg 240
cctcctgcyt tggcatatag acccctgggc gcctccctgg gatgcccacc aggccaggg 300
atccacctag gtgggttttg caaccctggg gatggcagtg gtagtggcac atcctgcctt 360
tgcagccagc cctccgtcac acggactgtg cagaaggatg gacccaacaa ggggcgccag 420
ttccacacat gtgccaagcc gagagagcag cagtgtggct ttttccagtg ggtcgatgag 480
aacaccgctc cagggaactt tggagcccc tctggacag gagacagagg aagaaccctg 540
gagtcggaag ccagaagcaa aaggccccgg gcaggttcct cagacatggg gtccacagca 600
aagaaacccc ggaaatgcag cytttgccac cagcctggga cacaccgctc cttttgtcc 660
tcagaacaga tgagctcagg gtagggtaga gaacgccact ttyttcagac ctgtcccctt 720
tgtgtttagg aaatgagttt aaccagggac caagtgggac attttagtgt tcctgggaaa 780
tttaggaggg acagtgtttg ggccttttgg agttgggggc tttctttgtt gttttaaggg 840
gggcacaaaag gttcccagat ccattcttgg gagcaggggc agcttnttg 889

```

973

<210> 1562
<211> 1385
<212> DNA
<213> Homo sapiens

<400> 1562
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gaggggagtg ccaaggctga gcggccaggc ctccagaaca tggagctggc gcctgtgcag 120
cgcaagatcg aggctcgctc ggcagaggac tccttcacag gcttcgtccg gaccctgtac 180
tttctgacac cctacctgaa ggacagctcc cggcactgcc cctcgctgtg ggctggcacc 240
aatgggggca ccattctatgc cttctccctg cgtgtgcctc ccgccgagcg gagaatggat 300
gagcctgtgc gggcagagca ggccaaggag atccagctga tgcaccgggc gccggtgggtg 360
ggcatccttg tgctcgacgg acacagcgtc ccccttccyg agccctcga agtggcccat 420
gatctgtcga agagccctga catgcaggga agccaccagc tgctcgtcgt atcagaggag 480
cagttcaagg tggtcacgct gcccgaaggc agtscgaagc tgaagttgaa gctgacggcc 540
ctggaggggc caagagtgcg gcgggtcagc gtggcccaact tcggcagtcg tcgagccgag 600
gactacgggg agcaccacct ggcagtcctt accaacctgg gcgacatcca ggtgggtctcg 660
ctgcccctgc tcaagcccca ggtgcgctac agctgcatcc gccgggagga cgtcatggca 720
tcgcctcctg cgtcttcacc aaatatggcc aaggcttcta cctgatctca ccctcggagt 780
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gcgctctgct cagtgatgag agagcggcaa ctggcgttca catcgagcsg ccgtggggtg 1020
cagcctcagc aatggcggag agtgagtggc tgagcgtcca ggctgcgga tgagcacaca 1080
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gagagacccc agtcccctgg gctgcscttc ccgggcctcg tctgtctggg tcctttggtc 1260
aatgttgac agtcttttatt gctcccatcc cttttttag tagggctgggt tttaagttat 1320
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tcaaa 1385

<210> 1563
<211> 862
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (784)
<223> n equals a,t,g, or c

<400> 1563

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atgaaaatca aaawttttca catttgatta tgaaaatctc caaacatatg cacaagcaga 180
gatcatggta taataaatcc ctttgcaact cactcagcc ctgacaaccc atccacacac 240
ggccaggcct gtttatctac actgctgcc actcctctct ccagctccac atgctgtacc 300
tggatcattc tgaagcaa atccgagcatt acatcatttt gtccataaat atttctaaca 360
tccttaaata tacaatcggg attcaagcat ctcccattgt cccacaaatg tttggtgtgt 420
ttttagtggg gattgtttgt attaggattc aagcaaggcc catatattgc atttatttga 480
aatgtctgta agtctctttc catctacaga gtttagcaca tttgaacgtt gctgggtgaa 540
atccccagggt gtcatttgac atgggtctct gaacttatct ttcctataaa atggtagtta 600
gatctggagg tctgattttg tggcaaaaat acttcctagg tgggtgctggg tacttcttgt 660
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gggtgggttt ggagttcttg gctttaatca ttcattacaa agttcagcat ttacctgat 780
cgtntcagtg gtcattgatg atcattgctg agatccacac tatattaggg gcggcagaac 840
aggtgttttt ctaattctgc ta                                     862

```

<210> 1564

<211> 3107

<212> DNA

<213> Homo sapiens

<400> 1564

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aatagtatac tcaatgtata gtcggaaagc agccgaagaa gtgaagcgag aactgataaa 180
gtttaaagtg aactattaca ttctagaaga gtcattgggt gtgaagaagat ccaagcctgg 240
ttgcagtatg cctgaaatth ggagtgtaga agatcctgcc aatgctggga aaactccctt 300
atgtaacctc ttggtgaagg attccaaacc tcacttcacc actgtattcc agaacagtgt 360
ttacaaagtc ctagaagttg taaaagaatg actgctacat gacctgctgc ctacggagaa 420
ctacatctgt aatggtttta atgttttgct aagtcatgtg ttgttcatat cccaaaaact 480
tttataggta actgttttca aatagaaaac gttttatttg gtcaatttga atgtcattct 540
aattataaaa atgacttaca cttttatcaa ttggttacta tttcaatgca ccttttaaaa 600
tttgctatgc aatgagtat atgcttgtag ttgactttaa tatttgtgct aaagtgagca 660
aagctaactg tataaagaaa acacagtggg ttgtgacaag gatgacatga aaatacagga 720
caattctgac aatgtagggg ctgattttat agtgtaagaa ctattaatgc ccttgsttc 780
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atgataaatg gagtttttat attttacttt taagattgcc tgtctttaat aagacaaagc 1500
cttaagcctt atgttataat tttggttcta aaaaccatca tttcagtata aggaataagt 1560
atatttcgtc ctctctttta gttttttctt tcctatttat ttttattttg aaaaatttct 1620

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975

```

acaccttctt tgaattcctt gtatgaattt ttgtttctta gaagttaatt tgtgtgaaat 1680
gagattcttc aaaacgatga aacctcatag ctctgagaaa aggttttagg gttttaaatt 1740
ctaagcaaag cgtgactatg gctgacagac tacacattta attatacagc ttctctttct 1800
taaccacagg cagattaacc tcattgtgga ttgtccttca gaccttagtc ctcaggcatg 1860
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gatttgtggc cactgtttct catttgctgg ttgactgttt ttatttctta ggcttttgct 2160
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<210> 1565

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<400> 1565

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ctcgtgccga attcggcagc agstctctgc agggcccatc gaggggaagaa gctgccaaagt 60
ggagccagggt ccggaaagat ctgtgctctt traagggtctc tctgcagctg cggggggagg 120
atggcagtgt ctggaactac aaacccccag ccgacagtgg cggnaaagag atcttctccc 180
tgctgccccca catggctgac atgtcaacct acatgttcaa aggcacatc agctttgcc 240

```

976

aagtcacatctc ctacttcagg gacttgccca tcgaggacca gatctcctgc tgaaggnngc 300

<210> 1566

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<400> 1566

ggtgacagct sccagcggca tcctcgatgt caccgtgggc tacctgaacc cagaacagca 60
ttgctgccag gaatccagtg atgaggaggg ttgtccagag gacaagggac cccaggaccc 120
acaggcactg gcgctggaca cccagatccc tgcaaccctt ggacccaaac ccctgggtccg 180
caccagccgg gagccaggga aggacgtcac gacctcaggg tactcctccg tcagcaccgc 240
aagtcccaca agtcccggtg acggtggcctt gggggccctg ccccaacctt cctcagtgtc 300
gtccctggac agtgactcgc acacacagcc ctgccaccat caggccagga agtcatgttt 360
acagtgtcgt cccccaagtc ccccgagag cagtgttccc cagcaacagg tgaagcggat 420
aaacctatgc atacacagtg aggaggagga catgaacctg ggccttgtga ggctgtaagt 480
gtgtcagcac atttgccgca ntggatktgt actgangggg gtggagcgaa ggtggaa 537

<210> 1567

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<400> 1567

gtggttgctt taatgatgaa cacttggaag aactgggagg aatactgaaa gcaaaacttg 60
aagggcactt taaaaaccaa gaattgagac aggtgaaaag acaggaagaa aactatgatc 120
aacagggttg gatgtctctg cangatgagg atgaatgtga tgtttatatt ctgaccaaag 180
tatcagatat tntgcactca ttatttaagt acttatgaag garaagattt taccatgggt 240
tgaacaacta cttccattaa ttgtaaatct aatttggttc aagtaggcca tggccagaca 300
gacatggggg ttgtggcata tttggatgga cat 333

977

<210> 1568
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 1568
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accagagac tggaaacacag gcaggcagta ctgccacacc cacgaggcgg tgctggctgt 180
gattcagagc cagaaggagc tgggaatttat gttcaagttc acgcggaggg agccctggat 240
tggactacgc agagttgggg acgaattcca ctgggtcaac ggggaccctt ttgatccgga 300
cacgttcacc atcgaggtgc caggggagtg tgtcttcgtg gagccaccca ggctgggtgc 360
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gtkgggccag angtkgccc cccctargcc tgtgggargt gtctgggtgc tgctcaagac 480
ctgcttccag cggacgcgcc tgcctctctc aaggcgaacg ggtgggtgcg tggcctccgc 540
cccaggcccc tctccaggg cctggcgctc tgagtccctg gttcctggcc tcctttgtct 600
gcaggcaggt cgtgtggctc agcagttaaa tcccatatgc taggtagtgc 649

<210> 1569
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1569
cggagccagg cccggagctg agggggccag ggcctttgga ggaagcattg gcctccaggc 60
tgaagagcaa gggccgtgtc acctgcccg agggcggtct catctctgca gccaggtcag 120
aggaagcagc ggtggggaga cggagtgcgc gagttgggag gctccacgca tcgtagggtg 180
agagctggct gccagcctgg cctgccctct ctccccgtc ccaccatctc gcttggctcc 240
ggcacctgcc tgggaagacc cacacctccg tctgcagtgc ctcttcccc tggaggccct 300
gccctccgtc cgggggtccc gcacctctcc gtggccctca gagcatcgcc tggggcgccc 360
gcngaactca tctgttaagc ctgggatcan gca 393

<210> 1570
<211> 566
<212> DNA
<213> Homo sapiens

978

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<400> 1570

```

gaattcggcc gaggagagat ctctagggga cctgatgtgc acttgacaca tggccttgag 60
cccaaagatg ttaacaggga atttaggcta acagagagca gcacttgatg gccttctact 120
gtggctgctg tcctatctcg agctcaaggc tgcagatccc cttctgctcc tgacgtgagg 180
acaggttcct tcagccactc agctactgat ggaagcgtgg gggttaatagg gggtcctgag 240
aaaaagggtg ctgagaagca agcaagcaca gaacttgagg ctgcctcttt cctgcarcgc 300
atgtactctg agcccctgag gcagtttagg gacagctctg taggtgacca gaatgcacag 360
gtgtgtcaaa ccaattccag aaccamctgc aacaactcag gggaccacac accctggatt 420
taagtgaarg gtctgctgag agcaagttgg tggtagagcc acagcatgaa tgtttagaaa 480
ataccactag atgttttttg gaaaagccac aattttccac tgagttgagg gatcacaatc 540
gcttggattc ccaagncaag tttgta                                     566

```

<210> 1571

<211> 1657

<212> DNA

<213> Homo sapiens

<400> 1571

```

gctacctagt gtctccttct gacctcatta tctgtctgaa taaacttcag atgggtactg 60
gatgtatatt gactactgtc aaataaaatg aactttgttt tagttaaggc cagatatgat 120
gtgggttgga tgttttgga catgtttttt cagggtgcat ctggagggtg tgggggttga 180
gatgggtgtc aagaaccaac cacaggcaac tggagaggaa tgctgaaaac ttcaaaagct 240
gaagagttat tagcagaaga aaaatcaaaa cccattccaa ttatgccagc cagtccacaa 300
aaaggtcatg ccgtgaacct gctagatgtg ccagttcctg ttgcacgaaa actatctgct 360
cgggaacagc gagattgtga ggttattgaa cgactcatta aatcatattt tctcattgtc 420
agaaaagaata ttcaagacag tgtgccaaag gcagtaatgc attttttggg taatcatgtg 480
aaagacactc ttcagagtga gctagtaggc cagctgtata aatcatcctt attggatgat 540
cttctgacag aatctgagga catggcacag cgcaggaaag aagcagctga tatgctaaag 600
gcattacaag gagccagtca aattattgct gaaatccggg agactcatct ttggtgaaga 660
gaactatgta atactgagac tttgttgact caaaacttgc tagttactgc ctacctgagt 720
agaatcttat ttatgaactc ctgtgtattg caatgggatg aatctgctca tgtggagact 780
ggctataaac tgaaaagtgt attccaaatt gcagaacaca tcacacattt aatccaaata 840
ataaatggct gtttctaaag tttcccagta tatataaaat acatcaagtc tgtcttgtga 900
cagtttcatc tgaacttaac ttaaaaacaa ctgttaaatg tctagttgtg caaagcagtt 960
tgcctgtgga taagatgacc tgtgtaataa tctttgttag tagtcttaa gctgctgcca 1020
tagtctcca agaagaaagc accaagacaa catttcatat gactataatg catgtactat 1080
ataagctgat ctggcttga aagatgtgag ttggcaagtt cctcacatag agtcattgta 1140
ttccacctgt ccttcaattt agttttttct gagcttcttt gcagcctttg atgtgttttt 1200
aagaaagctg aatgcacaag aggatctgtg aactgacat ggctgtgggtg tgcatactgt 1260
gtagttacat agcccttcca attctgggtc catttgact agcaaattaa aatatgcttt 1320
gattcatact taaacctgaa agcaggaatg cctacattaa ttcctacatt aaaaacagcc 1380
atctaccctt gattatctag waagacttgg taatgatggc cagttccttt tagatttcag 1440
aaaatcaaat gatgacctaa atttccctta atttgcaaat acagtagtaa ttaaggtaca 1500
tctctaaagt ggagcactta caccaggctc taagattcac tttgaggtgg aacttaaac 1560
cagtgactg tatgtatgca ttggtaatat ctacttttgc ttcatagctt cataccaaca 1620

```

979

aaatatattt attagaatag tatgaaagta ctggagg

1657

<210> 1572

<211> 1186

<212> DNA

<213> Homo sapiens

<400> 1572

```

ggcacgagaa ataatcacct ggagtttggt aaacccatatg gattctcagg ctctctctctt 60
gaagattctg attcagtagg tctgggagtg gcgccctgga ttttgatcaa aattgtagag 120
cattttaagg tgagtacctg agggagaact taaagacatc ttagttgggg agtagtcctt 180
ttgaatttta cagctagata taatcttcag tcagataaaa tttatgggag ctggtgtctt 240
atgcctgact cttagtaatt tcataccggg ttgaagtacg tgtgcccatg cctaaagcct 300
tgactttcag aatgttgctt tttgattctt ctgtcttgat ttgattaggg gtgaaattta 360
gaagtcttag taatgtaact tgaagatgtt aaacaaaaat ctcaagtaaa atgaaaagca 420
aatatgggct actgaattaa gaaactggca ttctagtatt aaatcctcac ttcaggagct 480
tttaaaaata ctgagacccc cccataacca gagattcaga ttcaaagact gaggatagga 540
ccttagcatt gtagctattt aaagtttcta atgtgcaccc aggggttgga atcaccaatg 600
tgggtgtgaa aatgcctaca aagggtttta gtgccttaga agtcctaaga agccaatct 660
gtatcaaagc agatccattt tgcaaggatc tttcttttag aactttctca gttctcttag 720
taagaacttt agaagtaatc ttgataataa gcacagacag cctaacagca gaggcaactt 780
aaataactcc tgagcagttg gcactagaac agaatacttg gaatgacacc aaagttaacc 840
aagtccagca tatgtccaaa gagttaagtg tttcatttac tgtagcattc tgggtgagaa 900
attggttgct gaaatcttaa gacagtgggc tcaaccttgg ctgcacattg gaatcacctg 960
tagggtttta aagcatccaa atggtaatta acaggcagca aaacttcaga actagttctg 1020
catctactgt gcaaagatca tgattaactg tcaagacact ggtagaacag aacaagcaaa 1080
agattaagag ttcaaaagta aatgcaacca wtttaacatg tagtgttatt aaaaaattac 1140
aaaggcctag accagcctgg gcaacagaga ccatgcttaa aaaaaa 1186

```

<210> 1573

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 1573

```

gtgctntttt tttaatgctg gggttaaaca aagtgtctctt cttggactta aagacctttt 60
gtctcaatac ccatttataa ttgatgcaca ctttcaaac atattaagtg aagtgtactgc 120
tgtgtttaca gataaagatg ctaatgtacg attagcagca gttcaacttc ttcaattcct 180
ggcccccaaa atacgagctg aacaaatttc tccatttttt cctttggtaa gtgcccatct 240
ctctagtgcc atgactcaca ttactgaagg aattcaggag gactctttaa aagttttgga 300
cattctgctg gaacagtacc cagctctaata tactggccgt agcagcatat tgcttaagaa 360

```

980

```

ttttgtagaa cttatttctc atcagcagct gtccaaagga ctgataaata gagacagatc 420
ccagtccttg atactttctg taaatcctaa tcggagactc acttctcagc aatggaggct 480
gaaagtctta gtgagactca gttaaattcct tcaggccttg gcagatggat ccagtaggtt 540
gagagaaagt gaaggacttc aggaacagaa agaaaatccc catgccacta gcaactycat 600
ttttatcaac tggaaggaac atgccaacga ccagcaacac atycagggtt atgaaaatgg 660
ggggtcacar gcaaaggyag gtccargtya agstacggat ctggttggag gactgatggg 720
gggat 725

```

<210> 1574

<211> 1135

<212> DNA

<213> Homo sapiens

<400> 1574

```

caaaagcata gagaaattat aaaattcaag aacagatggt agaatggaaa ctgatctaga 60
ggttataata aaggataata gtcttgtgct gacaccatca cacatcaaag cctacatggt 120
gatgactctt caaggattag aatattttaca tcaacattgg atcctacata gggatctgaa 180
accaaacaac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaatctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccgag ttactatttg gagctaggat gtatggtgta ggtgtggaca tgtgggctgt 360
tggctgtata ttagcagagt tacttctaag ggttcctttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcata 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggg actgaaaatg aagtatttca gtaatcggcc 660
aggccaaca cctggatgtc agctgccaag accaaactgt ccagtggaaa ccttaaaggaa 720
gcaatcaaat ccagcttttg caataaaaag gaaaagaaca gaggccttag aacaaggagg 780
attgccaag aaactaattt tttaaagaga acactggaca acattttact actgagggaa 840
atagccaaaa aggcaaataa tggaaaaata gtaaacatta agtaaagtgt gtagaagtga 900
gtttgtaaat attctacaca tgtaaaatat gtaaaactat gggttatttt tattaatgt 960
atttttaaat aaaaatttaa ttctggtttt tctgattaga gtgcaaaagt gagaaaagt 1020
caatactctt gaaatgtaga attgaaaatg cattagggaa aacttaataa aaattattac 1080
cagttatttg gaagatctga cccatatagt atcacaaatc tgtagtagca tgggt 1135

```

<210> 1575

<211> 859

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (845)

<223> n equals a,t,g, or c

<400> 1575

```

taagatagca aaccagttcg ttttaagtaa gctaacttgt tcattagtat ctgtggctta 60
aaatggcaaa aaagaaaata tccttgagtt tgtaatctag ttacagaagt aaggcataca 120
cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgct gtctctgtgt 180
gtgcacgtgc acgtcatgg ccaaattgtgc gcactctaca taaaggaggc aggagttcct 240
ataggtatt taatgtaaga gaaactattt ttctcctgtt ccagctgtat cagatactcg 300
ttccgcaaca cagaaatgac tcagaatctc agacaaaatg tattatttgt tcaattttta 360

```

981

```

ttttgctact acattcataa ctcttaaatt gttaggctgt ttcatttaca tcaaagttat 420
ctcacaaaag agaaggcagg aaacgttttg tgagtgccta ttctatgtca aacactgtgt 480
tggcaccata ttttacaagt ttttttcctc ttctcacagt gatcttgtga gttagtact 540
tatattttta ttagaactca ttattctggg taccttccaa tgagaattag agaggttaaa 600
taccttttcc tagattccca cagcaggaag gtgggcatag ctgttttgtc tgacaccaga 660
acccatctca ccacactgct ttacagtctt cctgaaggac attttgaggt ggggggggct 720
tcaaagctca gagactgggt ttgaatgggt ttaattttgc aakggatcat gtccatgcc 780
ggtgttaca ttcttaactt cctccaaatt cgkgtgtcca ttagacattt ggggtacatcc 840
gggcngggga gggtcaggg                                     859

```

<210> 1576

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1576

```

cgggctcgacc cacgcgtccg agaaaaagag ggaggagaga aggaaggtcc tggaggaggc 60
tgaagcagag gaggaagagg aagagtgagg gatggagaaa gggcagagga agagacatga 120
gaaagggaga ggaagagaag ccagctctg ggaactgaat caggaaactc aaatcgaata 180
gggaagttaa aaaacaaaac aaaaaacaaa aaaaacaaa aaaaaaccct atttaaata 240
aaggagttta aaaacatttt ttaaggaggg agaaaggaga aattttggtt tttcaacact 300
gaaaaaatat tacctatagg aaagtctgtc aggtttggtt tttttgtaca atatgaaaag 360
gatattatct acctgttctg tagctttctg gaatttacct ccccttttct atgttgctat 420
tgtaagggtct ttgtaaaatc ttgcagtttt gtaagccctc tttaatgctg tctttgtgga 480
ctgtgggtct ggactaacc cgtgggttgc tgccctcctg agcctccgcc tcccagcag 540
cggcaccaag gggccttagg gagccccaaa acctaccact cgcgtgttcc ccaagcgct 600
ggctgctgct tcttgcttcc cgtccccag ccccatgtct ccttttacat tctgtgtgta 660
tctaaaggat ggaaaaataa aacgcaatta aaataaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aa                                     732

```

<210> 1577

<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1588)

<223> n equals a,t,g, or c

<400> 1577

```

tcttgtcttg gccggtggtg gccaaccaag tggtgaaact tgggaacctt gagttcaagc 60
ccgaatctcg agtgaatggt ctagatgaaa gcaaaatcaa agataaaaat gagttaaaag 120
aaatttgtga attgaccggc attgatcaat cagttctaga acgagcattc agtttccgaa 180
cagttgaggc caaacaggag aaagtttcaa ctacactgaa tgtggctcag gcttattatg 240
cccgtgatgc tctggctaaa aacctctaca gcaggttgtt ttcattggtg gtaaatcgaa 300
tcaatgaaag cattaaggca caaacaaaag tgagaaagaa ggtcatgggt gttctggaca 360
tttatggctt tgagattttc gaggacaaca gctttgagca gttcattatt aattattgta 420
acgaaaagct gcaacaaatc ttcattgaac ttactcttaa agaagagcag gaggagtata 480
tacgggagga tatagaatgg actcacattg actacttcaa taatgctatc atttgtgacc 540
taatagaaaa taacacaaat ggaatcctgg ccattgctgga tgaagagtgc ctacagacctg 600

```


982

```

gcacagtcac tgatgagacc ttcttagaaa agctgaacca agtatgtgcc acccaccagc 660
atthttgaaag caggatgagc aagtgtcttc gggtccctcaa tgacacgtct ctgcctcaca 720
gctgcttcag gatccagcat tatgtctgga aggtgtctgta ccaggtggaa ggattcgttg 780
acaaaaacaa tgaccttmtc tatcgagacc tgteccaagc catgtggaag gccagccatg 840
ccctcatcaa gtctttgttc cccgaaggga atcccgccaa gatcaacctg aaaaggcctc 900
ctacagcagg ctcacagttc aaggcatccg tggccactct gatgaaaaac ctacagacca 960
wgaamccaaa ctatattagg tgtatcaaac cgaatgataa aaaagcagca cacatcttca 1020
acgaggctct agtgtgtcat cagatcaggt acctggggct tttggagaac gtccgagtgc 1080
ggagggcagg ctacgccttc aggcaggcct atgaaccttg cctagaaaga taaaaaatgc 1140
tttgtaaaca aacatggcct cattggaaag gaccagccag gtctgggtgtg gaggtcctat 1200
ttaatgaatt agaaattccc gtggaagaat actccttttg tagatcaaag atattcatcc 1260
gaaacccaag aacattattc aaattagaag acctgaggaa gcaacgcctg gaggacttgg 1320
ccactctcat tcagaagata tatcgggggt ggaaatgccg cacacacttc ctgctaataga 1380
aaaaaagcca aattgtgatt gccgcctggg acaggagata tgcgcaacaa aagaggtacc 1440
agcagacaaa gagttccgcc ttagtaattc agtcttatat cgggggttgg aagggtcgaa 1500
aaattctgcg ggaactgaag catcaaaagc gctgtaagga agcagtcacg accattgctg 1560
catattggca tgggacccar gywswanga agaatcagga aattcttcag agccaatgct 1620
ggaaaagaaa atctat                                     1636

```

<210> 1578

<211> 659

<212> DNA

<213> Homo sapiens

<400> 1578

```

gaattcggca cgagaaaaat gaccctatga ttgtgtcttt taaaaaggcc aagcccaatc 60
ctcttcaacc ccggtcacc ctctggtggg cccacgttgg gcacaacttc cccaactgat 120
gggcccttgg cttcagctat cctccttggc gcaatttcct gggcaaagat gcttctctta 180
ccagatgttg ctgatttccc ctgtggggca aaaagaaaac ccaggttact gatgtctatc 240
atcccacttt cctctcaacc tctttatata aaggcctctg gaacaaagag ataaaagggg 300
atthgtcaa tttccaggga tcacaacct agttctcaga aaaaggagag gtctataaga 360
gtaaaggctc tagactctga cagacttggg ttgaagttct ggctcttcta cctattagat 420
gtgtggtgtt ggacaagtta tttatctctt tgggggtctca gtttcctcat atgaaaaatg 480
ggaataagga ctcctcatcc ccaaggatc atcatgatac ctgccttata tgtttgttat 540
gaagattaaa agaagtaatg ggtatgaagt gcttagtatg atcctgcttt gtaaattaaa 600
ttgcttatca tcattaaaac tacctgctg gagaaaaaaa aaaaaaaaaa aaactcgag 659

```

<210> 1579

<211> 1866

<212> DNA

<213> Homo sapiens

<400> 1579

```

gaggacgcgt gggaacaag ctgctaacaa tagtttgctt ttacatcttc ttaaaagcca 60
gactatacct aagccaatga atggacacag tcacagttag agaggaagca tttttgagga 120
aagtagtaca cctamaacta ttgakraata ttacagawaac aaycctagtt ttacagatga 180
cagcagtggt gatgaaagt cttattccaa ctgtgttccc atagacttgt cttgcaaaaa 240
csgaactgaa aaatcagaat ctgaccaacc tgtttccctg gataacttca ctcaatcctt 300
gctaaacact tgggatccaa aagtcccaga ttagatatac aaagaagatc aagataccyc 360
aaagaattct aagctaaact cacaccagaa agtaacactt cttcaattgc wacttgggca 420
taagaatgaa gaaaatgtag aaaaaaacac cagcccyag ggrgtacaca atgatgtgag 480

```

983

```

caagttcaat acmcaaaatt wtgcaaggac ttctgtgata gaaagcccca gtacaaatcg 540
gactactcca gtgagcactc cacctttact tacatcaagc aaagcagggt ctcccatcaa 600
tctctctcaa cactctctgg tcatcaaata gaattcccca ccatatgtct gcagtactca 660
gtctgaaaag ctaacaaata ctgcatctaa ccactcaatg gaccttacia aaagcaaaga 720
cccaccagga gagaaaccag cccaaaatga aggtgcacag aactctgcaa cgtttagtgc 780
cagtaagctg ttacaaaatt tagcacaatg kggaatgcag tcatccatgt cagtggaga 840
gcagagaccc agcaaacagc tgttaactgg aaacacagat aaaccgatag gtatgattga 900
tagattaaat agccctttgc tctcaaataa aacaaatgca gttgaagaaa ataaagcatt 960
tagtagtcaa ccaacaggct ctgaaccagg gctttctggg tctgaaatag aaaatctgct 1020
tgaaagacgt actgtcctcc agttgctcct ggggaacccc aacaaagggg agagtgaaaa 1080
aaaagagaaa actcccttaa gagatgaaag tactcaggaa cactcagaga gagctttaag 1140
tgaacaaata ctgatgggtg aaataaaatc tgagccttgt gatgacttac aaattcctaa 1200
cacaaatgtg cacttgagcc atgatgctaa gagtgcccca ttcttgggta tggctcctgc 1260
tgtgcagaga agcgcacctg ccttaccagt gtccgaagac tttaaatcgg agcctgtttc 1320
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agaatcaaag aatctttgca tggctccctaa gaaaaggaag ctttatactg agccattaga 1500
aaatccattt aaaaagatga aaaacaacat tgttgatgct gcaaacaatc acagtgcccc 1560
agaagtactg tatgggtcct tgcttaacca ggaagagctg aaatttagca gaaatgatct 1620
tgaatttaaa tctcctgctg gtcattggctc agccagcgaa agtgaacaca ggagttgggc 1680
cagagagagc aaaagcttta atgttctgaa acagctgctt ctctcagaaa actgtgtgctg 1740
agatttgctc ccgcacagaa gtaactctgt ggctgacagt aaaaaggaaa ggacacaaaa 1800
ataatgtgac caacagcaaa cctgrattta gctttcttct ttaaatggac tgatgtacag 1860
ttccct

```

<210> 1580

<211> 1496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

984

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<400> 1580

```

annctataca ncatcacagg aanggtanac tgacagtacg gtcggattcc cgggtcgacc 60
cacgcgtccg ctgagccatt agaaaatcca tttaaaaaga tgaaaaacaa cattgttgat 120
gctgcaaaca atcacagtgc cccagaagta ctgtatgggt ccttgcttaa ccaggaagag 180
ctgaaattta gcagaaatga tcttgaattt aaatatcctg ctgggtcatgg ctcagccagc 240
gaaagtgaac acaggagttg ggccagagag agcaaaagct ttaatgttct gaaacagctg 300
cttctctcag aaaactgtgt gcgagatttg tccccgcaca gaagtaactc tgtgggtgac 360
agtaaaaaga aaggacacaa aaataatgtg accaacagca aacctgaatt tagcatttct 420
tctttaaatg gactgatgta cagttccact cagcccagca gttgcatgga taacaggaca 480
ttttcatacc caggtgtagt aaaaactcct gtgagtccta ctttcctga gcacttgggc 540
tgtgcagggt ctagaccaga atctgggctt ttgaatgggt gttccatgcc cagtgaagaa 600
ggaccatta agtgggttat cactgatgcg gagaagaatg agtatgaaa agactctcca 660
agattgacca aaaccaaccc aatactatat tacatgcttc aaaaaggagg caattctgtt 720
accagtcgag aaacacaaga caaggacatt tggaggagg cttcatctgc tgaaagtgtc 780
tcacaggtca cagccaaaga agagttactt cctactgcag aaacgaaagc ttctttcttt 840
aatttaagaa gcccttacia tagccatatg ggaaataatg cttctcgccc acacagcgca 900
aatggagaag tttatggact tctgggaagc gtgctaacga taaagaaaga atcagaataa 960
aatgtacctg ccattcagtt ttggatcttt ttaaaactaa tgagtatgaa cttgagatct 1020
gtataaataa gagcatgatt tgaaaaaag catggtataa ttgaaacttt tttcattttg 1080
aaaagtattg gttactgggt atgttgaaat atgcatacta atttttgctt aacattagat 1140
gtcatgagga aactactgaa ctagcaattg gttgtttaac acttctgtat gcgtcagata 1200
acaactgtga gtagectatg aatgaaatc ttttataaat attaggcata aattaaaatg 1260
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<210> 1581

<211> 3898

<212> DNA

<213> Homo sapiens

<400> 1581

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cagcccttcc aaccaagga atcccacaaa agatggcgat gaygcccatg aggctaaact 540
gattgcaacg tttccagaca ctttaacctt ttctgcatat agagaactga gggctttccc 600
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gggagttgct aaaccttccc aggtgtatTT tggaggTaca gttgttggcg agcaagctat 900
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986

<210> 1582
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (434)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (445)
 <223> n equals a,t,g, or c

<400> 1582
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 atctcagcac cactcccttg caaagtgtc ccccttgga atcaccgcaa aggctcctca 180
 gttcagaacc cttagacctc atctccgtcc cctttggcaa ctcttctccc tcagatatag 240
 acgtcccaaa gccaggtccc ccggagccac aggtttctgg ccttgagcc aatcggtctc 300
 tgacagaagg cctggtcctg ggacacaatg awtgacagcy tcagcaagat cctgctggac 360
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 cccattttat ttcttgaggt tacantt 447

<210> 1583
 <211> 1274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1234)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1273)
 <223> n equals a,t,g, or c

987

<400> 1583

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cgacgcgcag ctgcaggctg agaagcagaa ggccagggaa gaagaggagc aaaaagaagg 180
tgagatggg gctgcagggtg accccaaaaa ggagaagaaa tctctagact cagatgagag 240
tgaggatgaa gaagatgact accagcaaaa gcgcaaaggc gttgaagggc tcatcgacat 300
cgagaacccc aaccgggtgg cacagacaac caaaaaggtc acacaactgg atctggacgg 360
gccaaaggag ctttcgagga gagaacgaga agagattgag aagcagaagg caaaagagcg 420
ttacatgaaa atgcacttg cgggaagac agagcaagcc aaggctgacc tggcccggct 480
ggccatcatc cggaacagc gggaggaggc tgcccggaa aaggaagagg aaaggaaagc 540
aaaagacgat gccacattgt caggaaaacg aatgcagtca ctctccctga ataagtaact 600
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tcgcccaccc tgtgccctgg cgcgcgtgca acagcccctc atggccagga gccccccatg 720
gcctggggcc tcctcttcat cttggcacag aaattgtttg ggggatggg ggggggactg 780
ggggaggggg agctgctatc tttgagacag aaagrkyag aagagctttc atttgtctgg 840
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ccaggcaaaa catgctccac aaattcaact tgtatatattg gcagattaaa cttgacatta 1200
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aggggggngg ggnt 1274

```

<210> 1584

<211> 498

<212> DNA

<213> Homo sapiens

<400> 1584

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gtcttatttt tagaataatt tagacaagca ggtagaaaaa acaatgcact gtgtggcata 60
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cattgttttt tctacctgct tgtcttattt ttagaataat ttagaaaaac aaaacaaagg 180
ctgtttttcc taatttttggc atgaaccccc cctgtttcca aatgaagacg gcatcacgaa 240
gcagctccaa aaggaaaagc ttgggcgggtg cccagcgtgc ccgctgccc tgcacgtctg 300
tcttggggac gtggagggtg gcagcgtccc cgcctgcacc agtgccgtcc tgctgatgtg 360
gtaggctagc aatatttttg ttaaaatcat gtttgtgact gtaaccattt gtatgaatta 420
ttttaagaa ataaaaatcc tggaaagara aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
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<210> 1585

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<400> 1585

988

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cccttggtgg caatgccaaag actgtgatgg tggccaacgt ggggectgcc tcttacaacg 180
tagaagagac tctgaccact ctgcgatatg ccaaccgtgc caaaaacatt aagaacaaac 240
caagggtcaa tgaggacccc aaggatgccc tycttcgaga attccaggaa gagattgtct 300
ggctcaaggc ccagctggaa aaacggtcca ttggtaggag gaagaggcga gagaagcgga 360
gggaaggtgg tggcagtggg ggggggtggg aagaggagga ggaggaggga gaagagggtg 420
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agaagcgggc cattgtagag gatcacagct tgggtgcaga ggagaagatg aggctgctga 540
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gcgccaagat caaggtagca taccgtacc cttccttagg cccttgccct gtcactgctt 660
ttnccttcat caaacaacaa caaaaaacat aaccatatga gggatgatgt ctctcatcag 720
ttttggat 728

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<210> 1586

<211> 1808

<212> DNA

<213> Homo sapiens

<400> 1586

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tcaagatgga ggtggactac agcgccacgg tggatcagcg cctacccgag tgtgcgaagc 180
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ctcgtactgc ttccgatatg gtatcgacat cccgtatctt agttgcagta gtgaagatgt 300
gctatgaggc taaagaatgg gatttactta atgaaaatat tatgcttttg tccaaaaggc 360
ggagtcaagt aaaacaagct gttgccaaaa tggttcaaca gtgctgtact tatgttgagg 420
aatcacaga ccttcctatc aaacttcgat taattgatac tctacgaatg gttaccgaag 480
gcaagattta tgttgaaatt gagcgtgcgc gactgactaa aacattagca actataaaaag 540
aacaaaatgg tgatgtgaaa gaggcagcct ccattttaca ggagttacag gtggaacct 600
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agctgtgaag gattacattc gaacacaaat catcagcaag aaaattaaca ccaaattttt 720
ccaggaagaa aatacagaga aattaaagt gaagtactat aatttaatga ttcagctgga 780
tcaacatgag ggatcctatt tgtctatttg taagcactac agagcaatat atgatactcc 840
ctgtatacag gcagaaagtg aaaaatggca gcaggctctg aagagtgttg tactctatgt 900
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aaaaaaaaa 1808

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989

<210> 1587
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (201)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (341)
 <223> n equals a,t,g, or c

<400> 1587
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 ggcagcaact gggggcaaga acaacgggaa gatcacctgt gcttcagccc agggtcagag 120
 gtcaaggtga ggtcaaaggg ggaaagggca ctgggggtga tgtcaagggg agggcccaga 180
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 gayctttgag agtgacaaat tcaaggtgaa actgccagat nggcacgaac tgacttttcc 360
 caacaggctg ggtcaca 377

<210> 1588
 <211> 1486
 <212> DNA
 <213> Homo sapiens

<400> 1588
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 ttcccgtccg tgccgagccc actcgagccg cagccatgtc tggggacgag atgatttttg 180
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 gggataccca aacagaggaa acccagcctt cagaaacaaa agaagtggag ccagagccaa 300
 ctgaggacaa ggatttgga gctgatgaag aggacactag gaaaaaagat gcttctgatg 360
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 tcgtccgagt aggaaccaag aaaacttctt ttgtcaactt tacagatatc tgtaaactat 840
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990

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ctatagatgg taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa 960
atgtcttgag aagatatatc aaggaatatg tcacttgtca cacatgccga tcaccggaca 1020
caatcctgca gaaggacaca cgactctatt tcctacagtg cgaaacttgt cattctagat 1080
gttctgttgc cagtatcaaa accggcttcc aggtctgtcac gggcaagcga gcacagctcc 1140
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acagtgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1486
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<210> 1589

<211> 998

<212> DNA

<213> Homo sapiens

<400> 1589

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gccaccagct tggacttcta gggactttcc tctcagccag gaaggatttt gatattcatc 180
agaaatacct ccagaagatt caaggagctg tagaggtgaa gtaagcctgt gaaggaccag 240
catgggaatc ctatactctg agcccatctg ccaagcagcc tatcagaatg actttggaca 300
agtgtggcgg tgggtgaaag aagacagcag ctatgccaac gttcaagatg gctttaatgg 360
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aagaagaaat gctaattgtc acctcaaaaa ccagaaagag agaacctgct tgcattatgc 480
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ttatgcctgt gaaatgaaaa accagtctct tatccctctg ctcttggaag cccgtgcaga 720
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ttcccagatt gaattaatgc taaggaaaagc attgtaatcc ttgtgaccac accgatggag 840
atacagaaaa agttaacgac tggattctat cttcatttta gacttttggg ctgtgggcca 900
tttaacctgg atgccaccat tttatgggga taatgatgct taccatgggt aatgttttgg 960
aagagctttt tatttatagc attgtttact cagtcaag 998
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<210> 1590

<211> 2122

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1306)

<223> n equals a,t,g, or c

<400> 1590

991

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catcagacat ggacaaggra actgcaggtc actctggaag atggttacat tgaattgagc 180
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cattatgtat ctgtaataag cgacaactct ggactacggc ttctcatcga tgaccagctt 300
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gaagtcctag atttgaccag taactctctc aagagagatg tgtccctggg aggctgcagt 480
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aatgtctttt aagaaacatt cttttccact tgtaaataaa attaaatata ttttaaagca 2040
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gcagtgtagt ccttaaaaaa aa 2122

```

<210> 1591

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

992

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 1591

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tttctaatacc tatctgggga gctcctggcc aggataatat atttgcagat aattctggac 60
cagagacttg gtgcgggggtt aacaccttca tccagattgg gtgccagcat acattttctg 120
gtgggcctta acatccctcc tgcttttagg agaattcaca gaacctactg ttcctttcag 180
atgacctttt ggaaaatagt tccctttgcc aacagaaaca tgccagaagg aatctttctca 240
tcttttatct aactatatgt acagctctcc cctcccttgt ccttgaaagt aggatatagc 300
gaaaggcgag tccaggagct caggaagaag agatgcacta tatgtttaca caattaattc 360
atcccttaat ttaagtcatt ttcattgtgt tgagtttgct gggtgtgaaa tactttgtcc 420
taagagattt atctttntac agattttcta gaaatgtttt aggttactaa aaacagggtt 480
ggggcacaact ntgttaaact ggtacaattt tatagggtgga aagaaaaaa 529
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<210> 1592

<211> 1216

<212> DNA

<213> Homo sapiens

<400> 1592

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ggtgctacct ggctctcctg tctctgcagc tctacagggt agggccagca gagggagtag 60
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gtccacccca gtccctttca gstgctgctt aatgccctgc tctctccctg gccacctta 180
tagagagccc aaagagctcc tgtaagaggg agaactctat ctgtgggtta taatcttgca 240
cgaggcacca gagtctccct gggctctgtg atgaactaca tttatccctt ttcctgcccc 300
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tgagactcgg tccaagagtc cattccccag gtgggagcca actgtcaggg aggtctttcc 420
caccaaacat ctttcagctg ctgggaggtg accatagggc tctgctttta aagatatggc 480
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ggagagttaa aatgacctca tgccttctt gtccacggtt ttgttgagtt ttcactcttc 600
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attgtcttaa atgtcatgat tggagatgtc ctttgcatgt cttggaagggt gtgtacctag 1140
agccaaggaa attggctctg gtttggaata attttgctgt tattatagta aacatacaaa 1200
ggatgtcaaa aaaaaa 1216
```

<210> 1593

<211> 689

<212> DNA

<213> Homo sapiens

<220>

993

<221> misc feature
 <222> (565)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (582)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (620)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (649)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (670)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (680)
 <223> n equals a,t,g, or c

<400> 1593
 ctcaggaaga gtgagat tttt atatttgaca ataaagtgtt agactccatt tctaaatacc 60
 agacttcaaa agataagggtt caaaagtgtt ataagaagat attccttttt ttgtcctaga 120
 gaacttattt tcctgtgaaa atgcctacca caaagaagac attgatgttc ttatcaagct 180
 ttttcaccag ccttgggtcc ttcattgtaa tttgctctat tcttgggaca caagcatgga 240
 tcaccagtac aattgctgkt agagactctg cttcaaattg gagcattttc atcacttacg 300
 gactttttcg tggggagagt agtgaagaat tgagtcacgg acttgcagaa ccaaagaaaa 360
 agtttgcagt tttagagata ctgaataatt cttcccaaaa aaactctgca ttcggtgact 420
 atcctgttcc tggctctgag tttgatcacg tcgctgctga gctctgggtt taccttctac 480
 aacagcatca gcaaccctta ccagacattc ctggggcccc acgggggtgt acacctggaa 540
 cgggctcggg catccttcgt tttgngacca tgatactgtt gnggcgaaca cgcagtccaa 600
 ccaattttcc gaaagtggtn caaatgcttt aaccggaaac accagtaang gaccgaccac 660
 agttccgggn cctgtttggn taaaacggt 689

<210> 1594
 <211> 946
 <212> DNA
 <213> Homo sapiens

<400> 1594
 gccacgcgt ccgtccatt tctaaatacc agacttcaaa agataagggtt caaaagtgtt 60
 ataagaagat attccttttt ttgtcctaga gaacttattt tcctgtgaaa atgcctacca 120

995

<220>

<221> misc feature

<222> (1256)

<223> n equals a,t,g, or c

<400> 1596

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ccgaggcgcc ggcggcgccg ccccgagctc cccaagcctt cgagagcggc gcacactccc 120
ggtctccact cgctcttcca acaccgctc gttttggcgg cagctcgtgt cccagagacc 180
gagttgcccc agagaccgag acgcccgcgc tgcgaaggac caatgagagc cccgctgcta 240
ccgcccggcg cgggtggtgct gtcgctcttg atactcggct caggccatta tgctgctgga 300
ttggacctca atgacaccta ctctgggaag cgtgaaccat tttctgggga ccacagtgt 360
gatggatttg aggttacctc aagaagtgag atgtcttcag ggagtgagat ttcccctgtg 420
agtgaaatgc cttctagtag tgaaccgtcc tcgggagccg actatgacta ctcagaagag 480
tatgataacg aaccacaaat acctggctat attgtcgatg attcagtcag agttgaacag 540
gtagttaagc cccccaaaa caagacggaa agtgaaaata cttcagataa acccaaaaga 600
aagaaaaagg gagggcaaaaa tggaaaaaat agaagaaaca gaaagaagaa aaatccatgt 660
aatgcagaat ttcaaaatct ctgcattcac ggagaatgca aatatataga gcacctggaa 720
gcagtaacat gcaaatgtca gcaagaatat ttcggtgaac ggtgtgggga aaagtccatg 780
aaaactcaca gcatgattga cagtagttta tcaaaaattg cattagcagc catagctgcc 840
tttatgtctg ctgtgatcct cacagctgtt gctgttatta cagtccagct tagaagacaa 900
tacgtcagga aatatgaagg agaagctgag gaacgaaaga aacttcgaca agagaatgga 960
aatgtacatg ctatagcata actgaagata aaattacagg atatcacatt ggagtcactg 1020
ccaagtcata gccataaatg atgagtcggg cctctttcca gtggatcata agacaatgga 1080
ccctttttgt tatgatggtt ttaaaactttc aattgtcact ttttatgcta tttctgtata 1140
taaaggtgca cgaaggtaaa aagtattttt tcaagttgta aataatttat ttaatattta 1200
atggaagtgt atttatttta cagctcatta aactttttta accaaamara ananana 1257
```

<210> 1597

<211> 941

<212> DNA

<213> Homo sapiens

<400> 1597

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aagttgttct ctgaagagca aatgtctcat tccagtaatg acccactcag caggaatatg 120
gtggagttca gtccaattca ggtcagccat atccaaaaga ccacaagtca ttactaagtt 180
gagcaaaaaga gtttttatct attagcagaa agggcctctc tggcagcaga gattaaaaac 240
tggcccaact tcatttccat acttcaggga acagcaaatt gaggatttac ttatctagga 300
cttgaattcc ttctttggga ccaagttaat aaaagaccaa gaaactcctg attaaactgg 360
ataatgaagg attctgtaga cagggctgca cgtatcggct ttgtttgact tctcttttct 420
cagttaacat ctcagagcta gaacattcca cattcccag cagcgtgtgg gggtgacta 480
aagtttacaa ttccaactaa aaatcacctc gcttctggct tatctgaatc cttacccac 540
cccccccac caccctactc ctattttatc agcaccacac taccaggaa atacactagc 600
aaattgtgca atggaataaa atccacactt tagattcttg caactgtatc atatgtaata 660
gtatcacttt ttctacattt tgggtcaaata aataggagta ggggtggggg gtggggggg 720
taagggatc agataagcca gaagcagggt gattttwagt tgggaattgta aactttagtc 780
agccccaca cgctgctggg gaatgtggat gttctagctc tgagatgtta actgrgaaa 840
gagaagtcaa acaaagccga tacgtgcagc cctgtctaca gaatccttca ttatccagtt 900
taataaggag tttcttggtc ttttattaac ttgggtcgac c 941
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996

<210> 1598
<211> 505
<212> DNA
<213> Homo sapiens

<400> 1598
ggggtgcct ttggagcaga gaggaggcaa tggccaccat ggagaacaag gtgatctgcg 60
ccctggctcct ggtgtccatg ctggccctcg gcaccctggc cgaggcccag acagagacgt 120
gtacagtggc cccccgtgaa agacagaatt gtggttttcc tgggtgtcacg ccctcccagt 180
gtgcaaataa gggtgtgtgt ttcgacgaca ccgttcgtgg ggtcccctgg tgcttctatc 240
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ctgcctgcat cctgacgagg tgccgtcccc agcacgggtga ttagtcccag agctcggctg 360
ccacctccac cggacacctc agacacgctt ctgcagctgt gcctcggctc acaacacaga 420
ttgactgctc tgactttgac tactcaaaat tggcctaaaa attaaaagag atcgatatta 480
aaaaaaaaar aaaagggcgg ccgct 505

<210> 1599
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 1599
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gctgccacct ycaccggaca cctcagacac gcttctgcag ctgtgcctcg gtcacaaca 120
cagattgact gctctgactt tgactactca aaattggcct aaaaattaaa agagatcgat 180
attaaaaaaaa aaaaaaaagg aaaaaaaagg gcggccgtct aagaggatcc aagcttacgt 240
aacgcgtgca tgcgaaggtc atagctcttc tatagtgtca 280

<210> 1600
<211> 1529
<212> DNA
<213> Homo sapiens

<400> 1600
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ttcattttttg gacagtgatg aactggaaag gactggaatt gatttgggaa caactggctg 120
tcttcagtta atggcaagac ttgcagaggg tacaggtttg cagattccgc cagcagcaca 180
gcaagctcta cagatgagtg gctctttggc atttggtgct gtggcagaat tctcttttgt 240
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agaagaagaa gttggatggg ataccgagat taaggatgat gtgattgaag aatgtaataa 420
acatggagga gttattcata tttatgttga caaaaattca gtcagggca atgtgtatgt 480
gaagtgccca tcaattgctg cagctattgc tgctgtcaat gcattgcatg gcagggtggt 540
tgctggtaaa atgataacag cagcatatgt acctcttcca acttaccaca acctgtttcc 600
tgattctatg acagcaacac agctactggt tccaagtaga cgatgaagga agatatagtc 660

997

```

ccttatgtat atagcttttt ttctttcttg agaattcatc ttgagttatc ttttatttag 720
ataaaaaata agaggcaagg atctactgtc atttgtatgc aatttcctgt taccttgaaa 780
aaataaaaaat gttaacagga atgcagtgtg ctcattctcc ctaaatagta aatccactg 840
tatacaaaac tgttctcttg ttctgccttt taaaatgttc atgtagaaaa ttaatgaact 900
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acaagacagc taaagggtcg tttgggttagc atctcatctt gcattctgat caattggcaa 1140
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aagtttcttt gtaaatacta tgtgttcttg tgtgtcttaa aattccaaac aaaatgatcc 1260
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aataggaaat gcagaaatag gttttgtctg gttgcatata atctttgctc tttttaagct 1380
ctgtgagctc tgaaatatat ttttgggtta cttcagtgtg tttgacaaga cagcttgata 1440
tttctatcaa acaaatgact ttcataattgc aacaatcttt gtaagaacca ctcaaataaa 1500
agtctcttaa aaaggcmaaa aaaaaaaaaa 1529

```

<210> 1601

<211> 3096

<212> DNA

<213> Homo sapiens

<400> 1601

```

gagagagctc agatggccct ttttaagggg ctccaagaac caacatcact gctcttttag 60
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taggaggaca aaatgggggc aagaggacac agaagagttg tatagcacca gattgggttc 180
aaatagttaa tggatgtgtg cacattttct gtccagggat taagaccaga atatcagtgg 240
atgtgttttc cccaccaagt ggctcttag actagtcatt aacttatgat tagctctaaa 300
gatttcaaat agtggcagac agtgtcttct gaatgtaagt ttgagaaat acgagtcctgt 360
cagagcggcc ataagccata aagagtcaat ctcttaatta tatttttcat catgtaaaaa 420
agtttcccat ttccctttct tagattgcac cagtgaagga gatgttttgc aaagattcag 480
agaactaatt tttcactgga taagacctga gtaaccaga cccccaccg tgggtctttt 540
cacagccctc gactttgcac ttaaaaagg atattgtaaa tgaaaggctg cagtgccagt 600
tttaagaaag aatttctgtg aagtgtgagg actctggagt ctagctcaca taaagagagt 660
gttatataaa aatccgacag ctgaactagg ttgtctttt ttggcaggga gtggggatga 720
gatttgacac caatatgggc aaaatttagat aaccttttg ttaatataaa tgattttgat 780
ttggaggcct aatttgtaga ttgtgaaagc agcttttagt ttaacttatt cacagacccc 840
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acacacacac acacacacac acacacacac acgtgcacat tctccttcta catgctcatt 1740

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998

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tgtgccttaa atgtgcctta taggtaaatc caggatgact gaggaatccc tgcgcactgg 1800
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ctgaaggctc aaaagtgggt tcctaaaagt gagccactat cagatttgca catcaggaga 1920
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aattgaaatt gttatgcttt tgtatttcca tttcttgcaa ataaatattt tttcttaaat 3060
agtaagatgt tgcccagtct ttataatctt ggtact 3096

```

<210> 1602

<211> 336

<212> DNA

<213> Homo sapiens

<400> 1602

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gtgctttgtg ctttgtgcat gtggtaggca gaacactacc atatgtcccc acatacttac 60
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aagctccctt ctctctgctg tgccctcca gctscctctg ctgaccaggt ttagcatcat 180
gtgctctgta aaggaggaat tctggagagt ccagtcatt attacagagc tagtactgaa 240
gggtgagttt ggagttaaga ggcaataaat tgataactgg cacagaagcc aaatataaga 300
gtattgacta aataatagct aagtacaaga acacag 336

```

<210> 1603

<211> 1035

<212> DNA

<213> Homo sapiens

<400> 1603

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gtgcatcggc ttcgagtcag caattctgtc taccttcttg tccctgatgc ctataaattt 60
catctrgtct ttgctgtgat gtggggatac catggacaag arccctctga agttcatarc 120
tctgtcctgt cacaccaaag gtagcatctt tggaaagtct gaggccttgc ctaggagat 180
ggattgtata taccagttg tcacataatg taaggaagag aagggaatgt tgacctttca 240
gcctcagggc aatggcacca gggagtatta tggaaactct taaattcaac ttccaggtat 300
tccttgggtg gtaactagac aatgaatata tacaaggctg acatgatggr attctgtcct 360
caggggtact tcggtccttg gtggaagcat ctagctcagg tgtgtcggtg ctgagcctgt 420
gtgagaaagg tgatgccatg attatggaag aaacagggaa aatcttcaag aaagaaaagg 480

```


999

aatgaagaa aggtaaaaaa aaaaaaatcc ctactaatt ttccgtttga cccttatttg 540
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gtatttgga atttggwatg gcaagtggga tacaagcagt ttctaccta atccaaactg 660
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gatgtagctc agggg 1035

<210> 1604

<211> 2231

<212> DNA

<213> Homo sapiens

<400> 1604

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aggatatgag agaacaagga gttaaaagca atccatgtga ctcaagcctt tcacatactg 480
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aacatttggc attcctgaat aatttccaaa tgtttttaat ccaaagaaaa aggttttaaag 2040

1000

```
cttatttccc tttcttatac acacctgaat aaaattgatg tgcattgttt agggatcaat 2100
tacctaactg ttccttggtc ttttatgta taagaatgct ttttaaagca catgtctcat 2160
tttaaagtac gcacaaactg aagatgttaa taaaatttaa gagtaataca atgaaaaaaaa 2220
aaaaaaaaa a 2231
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<210> 1605

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (595)

<223> n equals a,t,g, or c

<400> 1605

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aacaactagg ctgcaagact ttaaaggcaa cattctacga gtttttgcca gctcagacac 180
catcaacatc tggttttgta gcctggatgt gtctgctagt agccgaatgg tggtcacagg 240
agacaacgtg gggaaactga tcctgctgaa catggacggc aaagagcttt ggaatctcag 300
aatgcacaaa aagaaagtga cgcattgtggc cctgaacca tgctgtgatt ggttcctggc 360
cacagcctcc gtagatcaaa cagtgaataa ttgggacctg cgccagggtta gagggaaagc 420
cagcttcctc tactcgtctc cgcacaggca tcctgtcaac gcagcttggt tcagtcccga 480
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gtgggactgc cccctggggc tgatcccgca ccctaccgt cacttccagn acctnacacc 600
catcaaggca gcctgggatc ctgctacaaa cctcattggt gtgggccgat acccagatcc 660
taatttcaaa agttgtacc 679
```

<210> 1606

<211> 1677

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1668)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1673)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1001

<222> (1676)

<223> n equals a,t,g, or c

<400> 1606

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gctttkttga gagcgacatg tttgtggaac acagatgtgc agattttgga atggctgctg 180
ataagaataa gtttcctgga gacagcgtgg tctactggacg aggccgaatc aatggaagat 240
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atgttaccca ggaggagctc ggtggtgcca agaccacac caccatgtca ggtgtggccc 660
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cattgtaaac aaatcaaagg aaaagaaacc aagaactgaa ttactgtctg cccattcaca 1560
tcccattcct gccttttgca atcatgaaac ctgggaatcc aaatagttgg ataacttaga 1620
ataactaagt ttattaaatt ctagaaagat caaaaaaaaa aaaaaanaa aanaana 1677
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<210> 1607

<211> 1209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c

<400> 1607

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accagacact cccgactgtg cgctgactct ccccgcccag ccagcagcct tttccagaga 120
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1002

```

ggctgtggtc catagcctct gttcgttttc actgcaggac caggcacgaa agttaaaca 180
aatgaagat tttttctgaa tctcataaaa cagtgtttgt tgtggatcac tgcccttata 240
tggcagaatc ttgcaggcag catgtcgagt ttgatatgct ggtgaagaat agaaccacag 300
gaatcattcc tttggcccc atactctaat cattgtggac tkgctcagta gaatcttcca 360
kggaatattg tagaataatg tatgatatat ttcctttcaa aaagctggtg aattttattg 420
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atctagggtg cggcagtcga gaaggctcgt ttaaagaaac aataacatta aagtgtgtgta 1140
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gggctttat 1209

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<210> 1608

<211> 2608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<400> 1608

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tcagcccctc cctgcagatt gcatgtcccc tggaggagg tctgtctcac agcctcactt 180
ctaaccctct ggaaccacc caccactgcc aagctcacta ttgaatccac gccgttcaat 240
gtcgcagagg ggaaggagg tcttctactc gccacaacc tgcccagaa tcgtattggt 300
tacagctggt acaaaggcga aagagtggat ggcaacagtc taattgtagg atatgtaata 360
ggaactcaac aagctacccc agggcccgcga tacagtggtc gagagacaat atacccaat 420
gcatccctgc tgatccagaa cgtcaccag aatgacacag gattctatac cctacaagtc 480
ataaagtcag atcttgtgaa tgaagaarca accggacagt tccatgtata cccggagctg 540
cccaagccct ccatctycag caacaactcc aacccgtgg aggacaagga tgctgtggcc 600
ttcacctgtg aacctgaggy tcagaacaca acctacctgt ggtgggtaaa tggtcagagc 660
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gtcaaaagga acgatgcagg atcctatgaa tgtgaaatac agaaccagc gagtgcacac 780
cgcagtgacc cagtcacccct gaatgtcctc tatggcccag atggcccac catttcccc 840
tcaaaggcca attaccgtcc aggggaaaaat ctgaacctct cctgccacgc agcctctaac 900

```

1003

```

ccacctgcac agtactcttg gtttatcaat gggacgttcc agcaatccac acaagagctc 960
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gccactggcc tcaataggac cacagtcacg atgatcacag tctctggaag tgctcctgtc 1080
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<210> 1609

<211> 2013

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 1609

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agatgctgca agcgagggtc aagcacatct tgtcaacatg cattgccatg aatttctacc 180
agatgtgctt ttatttagct ttacatatc ctttgaccaa atagtttgtg ggttaaacia 240
aatgaaaata tcttcacctc tattcttggg aaacaccctt tagtgtacat ttatgttctc 300

```

1004

```

ttatttagga aacaccatta taaaaacact tatagtaa at ggggacattc actataatga 360
tctaagaagc tacagattgt catagttgtt ttcttgcttt acaaaattgc tccagatctg 420
gaatgccagt ttgacctttg tcttctataa tatttccttt ttttccctc tttgaatctc 480
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cattgtttct tgagcatcct gccctgmyac taacttttca acaaggcaaa atggagtaaa 1980
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<210> 1610

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1610

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ggcagagcgc cgacgcagac cctctcttgc acgccagccc gccgcaccc accatggcca 60
cagttcagca gctggaagga agatggcgcc tgggtggacag caaaggcttt gatgaataga 120
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gtcacttcca cgagagttta tgagagagca taagccaagg gacgttgacc tggactgaag 420
ttcgcatgta actctacaac attctgtggg atatattgtt caaaaagata ttgttgtttt 480
ccatgattta gcaagcaact aattttctcc caagctgatt ttattcaata tggttacgtt 540
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```

604

<210> 1611

<211> 979

<212> DNA

1005

<213> Homo sapiens

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<400> 1611

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ttagcccttc tccaccttct ttctcccgt gaatcatttc cctcaaagcc caagagctgt 840
cactgcttct ttctccctgg gaagaatgcg tggactctgc ctgggtgatag actgaagcca 900
gaacagtgcc acacctcgc cttaattcct tgctaggtgt tctcagattt atgagacttc 960
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```

<210> 1612

<211> 504

<212> DNA

<213> Homo sapiens

<400> 1612

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<210> 1613

<211> 1650

<212> DNA

<213> Homo sapiens

1006

<400> 1613

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<210> 1614

<211> 987

<212> DNA

<213> Homo sapiens

<400> 1614

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1007

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atgcaaaaaa aaaaaaaaaa aaaaaaa 987

<210> 1615

<211> 1487

<212> DNA

<213> Homo sapiens

<400> 1615

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<210> 1616

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1616

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1008

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<210> 1617

<211> 3522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3503)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3508)

<223> n equals a,t,g, or c

<400> 1617

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1009

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<210> 1618

<211> 902

<212> DNA

<213> Homo sapiens

<400> 1618

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gaatatgccc actgaatata tttaatagaa agtaacataa agctagtatt caatgtagag 300
tattttcata tgtttttcac agcccgttac aaattggcaa tgtttgggta atgtttgtat 360

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1010

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tactaagtta ttggatttac atgaaatctg gcacttttagg gtgttctttt tctcacagag 840
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ct 902

<210> 1619

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1145)

<223> n equals a,t,g, or c

<400> 1619

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1011

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1158

<210> 1620

<211> 2260

<212> DNA

<213> Homo sapiens

<400> 1620

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<210> 1621

<211> 1077

<212> DNA

<213> Homo sapiens

1012

<220>
<221> misc feature
<222> (1014)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (1029)
<223> n equals a,t,g, or c

<400> 1621
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<210> 1622
<211> 2377
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

1013

<220>

<221> misc feature

<222> (2376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2377)

<223> n equals a,t,g, or c

<400> 1622

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gcaggacctg ccgttgccct gacaacacct tgggagttga ctgtatcgaa cagaaatgaa 300
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aaaaaaaaa aaaanaaaaa aaaaaaaaaa aaaaann 2377
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1014

<210> 1623

<211> 1258

<212> DNA

<213> Homo sapiens

<400> 1623

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gaaaacaaga gcagaagcac cttcagccac agccttataa aaggggaagg aaatggcata 180
aatatggtcg cactaatgga agacaaatgg caaatcttga aatagaattg gggcaattac 240
cttttgatcc tcaatactga ttcacaattg agttaaatga gacaactgta agagaaaaat 300
ttatgctttg tataatgttt ggtattgaaa ctaatgaaat taccaagatg acaatgtctt 360
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ttaacactga tgtttgtgtt aaatttgtag cagagcttga gaaaagtaca ttgttctgga 660
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gaagaaaaca gcagttcttt tataattgct tgaaattagg aaagcgctta tttcctagaa 1200
gcaaataaat gtttaagtaa ataaaggcta cattttgctg agtactgttt cagtcaaa 1258

```

<210> 1624

<211> 2469

<212> DNA

<213> Homo sapiens

<400> 1624

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ctttttcaaaa agatgctctc tgcagcagta agactataga tagagttgat tggaaatatca 180
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tcgctggtaa ataaaggaga cacaggtaac ccagagtgga cagtgatattg cgtggggagw 420
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1015

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<210> 1625

<211> 1281

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1224)

<223> n equals a,t,g, or c

<400> 1625

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tcctccccag tgtagatatt taaaccagag taagttaggg gagacattct gtggtctctg 660
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1016

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cggtccatt agcgagtggg ggactcttgc tgtgtgctaa gaggctgcta ggactcacc 840
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caaattatgc tgttttctaa agantttgaa cttttttttt tttcctttgc ttgagacacg 1260
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<210> 1626

<211> 1355

<212> DNA

<213> Homo sapiens

<400> 1626

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tgcagagcat ggactcgtcc cacgtctctt tgggtgcagct caccctgcgg tctgagggtc 360
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<210> 1627

<211> 1188

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1164)

<223> n equals a,t,g, or c

<220>

1017

<221> misc feature
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1168)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1176)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1178)
 <223> n equals a,t,g, or c

<400> 1627
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<210> 1628
 <211> 1389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (10)
 <223> n equals a,t,g, or c

1018

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 1628

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<210> 1629

<211> 621

<212> DNA

<213> Homo sapiens

<400> 1629

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aaaaaaaaa aaaaaaaaaa a                                621

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<210> 1630

<211> 1158

1019

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (888)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (948)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1053)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c

<400> 1630

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```

<210> 1631

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1631

1021

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<210> 1633

<211> 376

<212> DNA

<213> Homo sapiens

1022

<400> 1633

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<210> 1634

<211> 3643

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3563)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3581)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3599)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3628)

<223> n equals a,t,g, or c

<400> 1634

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1023

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<210> 1635

<211> 4051

<212> DNA

<213> Homo sapiens

1024

<220>
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<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2278)
<223> n equals a,t,g, or c

<400> 1635

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1025

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<210> 1636

<211> 1242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1210)

<223> n equals a,t,g, or c

<400> 1636

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1026

```

tcctgctaga cgcgcgcgcg accgacggag gggacatggg cagagcaatg gtggccaggc 120
tcgggctggg gctgctgctg ctggcactgc tcctaaccac gcagatttat tccagtga aa 180
caacaactgg aacttcaagt aactcctccc agagtacttc caactctggg ttggcccaa 240
atccaactaa tgccaccacc aaggyggctg gtggtgcect gcagtcaaca gccagtctct 300
tcgtggctct actctctctt ctgcatctct actcttaaga gactcaggcc aagaaacgtc 360
ttctaaatth ccccatcttc taaacccaat ccaaatggcg tctggaagtc caatgtggca 420
aggaaaaaca ggtcttcatc gaatctacta attccacacc ttttattgac acagaaaatg 480
ttgagaatcc caaatthgat tgatttgaag aacatgtgag aggtttgact agatgatgga 540
tgccaatatt aaatctgctg gagtttcatg tacaagatga aggagaggca acatccaaaa 600
tagttaagac atgatttctt tgaatgtggc ttgagaaata tggacactta atactacctt 660
gaaaataaga atagaaataa aggatgggat tgtggaatgg agattcagtt ttcatttggg 720
tcattaatth tataaggcca taaaacaggt aatataaaaa gcttccatga ttctatttat 780
atgtacatga gaaggaaact ccagggtgta ctgtaattcc tcaacgtatt gtttcgacag 840
cactaattta atgccgatat actctagatg aagttttaca ttgttgagct attgctgttc 900
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tgthttccatt caacaagagc actacattca tttagctaaa cggattccaa agagtagaat 1140
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```

<210> 1637

<211> 2124

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<400> 1637

```

caacctgtag gtgcccacca agcccatgac gacnctgctg gccagggtcc tagccctatt 60
caggcaggag ctgctcttct ggggtatcgc gatccactta aggatgaggc agacttggtg 120
acaagctggg ctgagcagcg cttccagagc cagaactgag cccagtgaga gcgcaccctg 180
gggcagcctg gattcctggg gtgtccccgg cagccacaca cagccatgca ctacccaact 240
gcactcctct tctcatcctt ggccaatggg gccaggcctt ttcgcatctg cgccttcaat 300
gcccagcggc tgacactggc caaggtggcc agggagcagg tgatggacac cttagtctcg 360
atactggctc gctgtgacat catggtgctg caggaggtgg tggactcttc cggcagcgcc 420
atcccgtccc tgcttcgaga actcaatcga tttgatggct ctgggcccta cagcaccctg 480
agcagccccc agctggggcg cagcacctac atggagacgt atgtgtactt ctatcgggtc 540
cacaaaacac aggtcctgag ttcctacgtg tacaacgatg aggatgacgt ctttgcccgg 600
gagccatttg tggcccagtt ctctttgccc agcaatgtcc tttccagcct ggtgttggtc 660
ccgtgcaca ccactcctaa ggccgtagag aaggagctga acgcccctta cgatgtgttt 720
ctggaggctc cccagcactg gcagagcaag gacgtgatcc tgcttgggga cttcaatgct 780
gactgcgctt cactgaccaa aaagcgctg gacaagctgg agctgcggac tgagccaggc 840
ttccactggg tgattgccga tggggaggac accacagtgc gggccagcac ccactgcacc 900
tatgaccgcg tcgtgctgca cggggagcgc tgccggagtc tgctgcacac tgcggtgcc 960
tttgacttcc ccacgagctt ccagctcacc gaggaggagg ccctcaacat cagtgaccac 1020
taccocgtgg aggtggagct gaagctgagc caggcgacac gcgtccagcc tctcagctc 1080
actgttctgt tgctgctatc actcctgtcc cctcagctgt gccctgctgc ctgagcgctc 1140

```

1027

```

ccctaccccc ccagggcctg ctgccttttg ggacttaaac ccagcctcc cccgtccatc 1200
cagccctggg gctggggggc ttcaactata gttgccctgt gactgtagtc caccctgcc 1260
tgccttggtt gatttggtc ttgttctttg gttgggcttg tgcctagatt aggagaggaa 1320
gccaggggcc ctgcactcat gccacctgcc aggtagtgtg gtatcaggag tggagacaaa 1380
gtgggctctg gggtggggta ggggaaggga ggggttcagaa agaggaatga agatgttgta 1440
tgacaagaag gaaagttact gagaacaaaa acccagattg gtgagatagg acacttggtc 1500
agcagatatg ccaatgggcc atgtttattg tggattggta agaatcacca ggaaaccatt 1560
aagccccaat agctacaagg aggggtggta atctgctata tcaaactcct tccctgaaac 1620
cagcaaacac cgggaaacat tttggctcat tataatccgg tgaacaatgc agtcaggcct 1680
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ctgcaggaca cagcaaatg ccagcagcat gccggacccc tcccttccat cctcctctcc 1920
aaagaagaga ggtcaggaaa aactctggct gggacgctag aagggtcatg tgtaactat 1980
aatcacattt atggtttgga accatcacc caaggtaaaa aaaaaataaa aggtattccc 2040
aggtatgttt ggcaaaataa aataaaggta attaaaaacc taaaaaaaaa aaaaaaaaaa 2100
aaaaaaaaaa agtcgtatcg atgt                                     2124

```

<210> 1638

<211> 1435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1426)

<223> n equals a,t,g, or c

<400> 1638

```

gtgattctcc tgcctcagcc tcccaagtag ctgggaaaac aggcctgtgc caccacaccg 60
gagtagtttt tgtattttta gtagagatgg ggtttcacca tgctggccag gctggctctg 120
aactcctgac ctccaggtgat ctgtgtgccc cagcctccca aagcgtgagg attacagggtg 180
tgagccactg agcccagcca tttaggaagt attataaagg cccttaaagt ttgtaaggaa 240
atgaaagggc tttgtattac cttttcaata ggcaacaatg tactttttct ttccttagac 300
tttggcttac tggagattt aattaaaagg tagaggagaa gtaaatttgc tgtaataatt 360
ttgctgtaaa taaaacaaag agtttatttt attagataaa gaatgtgaag taagcatgaa 420
gagacaggct ttgggagaaa taccagaaag ggatttttca aagatggcat tgtttaatct 480
ccgtgtggcc ctccgttggt caatcacaga tgagccagaa gagggccagc cccctacttg 540
tttgggctcc gaaactctta ccaaaccatc atttttatc ttgggataga aaaatagtat 600
gtgctatctc taatacgtc cttcgatatt tattaagaa gtatttttaa tgtagtgtcc 660
acaggctcat ttcattgaaa acaactgact atgatgatag acagctcctg attggcaaaa 720
gttcgatggg atattcagaa tttaaatttg cctgcrcacc taaacactga caacatttag 780
cttaaagggt ttccatggag aagagtggta agagctgtag ttagcaaaat tggcatcctc 840
tttaggggtg caattctgtg ctgctttgca aattgttgaa acttttgatt ttctgtttgg 900
caatgctagt cagtgttcac ttcttacaga ttagccaaga atttttatct aaatgcagaa 960
acttattaat gaaatccatt taaactaaca caacattttg ggaggccctg ctggtaaaat 1020

```

1028

```

tatatatgga tgcagaagta ttgcaagagt ccattttcca tttttaaatc tgcaatatct 1080
gattacattg atgaattccg ttgtattgta tgtgtgaata taaatatctg aattctcccg 1140
ggggacttgg ttttcgtcca aggatgttgg cagtggacac ttagtttacc tcaggaattg 1200
caatcatgta agactatatt cggaaaaaat gctggagtat ataattttgg atactgatat 1260
aaaatcatca agatggaagt taagcagaat tgtcacgtgt agtccatagc gcttttatat 1320
gcattattct gtaatttgtt tgtactgagg caacttttta tactttcaat gtatcattta 1380
ataaaaaaaaa taagcaagtc aaaaaaaaaa aaaaaaaang gggggnccgt tttaa 1435

```

<210> 1639

<211> 1631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1084)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1613)

<223> n equals a,t,g, or c

<400> 1639

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atcaatttgg aggaggttgg taccatctgt ttggggttct ttaaatacaag tactaatctc 60
tctgaatttg tcatgcggaa aattggagac ttggcttgtg ctaacattca gcactctgag 120
agtcgctcct tagtgaatat tggtaaaaatg ttccgtttca ctcacgtgga tcacatcaat 180
ttcatgaagc agattggaga gatagctcct cagcgaattc ctcccttggg agttcaagg 240
gtcatgcacc tgactcttta ctgctcggcc ttacgcttcc tgaatgaagg agtaatgaat 300
gcagtggctg cgtctttgccc tcctagagtg gcacactgtc gaagtaaaga tgttgccaag 360
attctgtggt catttggaac tctgaattat aagccacca atgcagaaga attttactcc 420
agcctgataa gtgagattca cagaaagatg cctgaattca accagtaccc agaacacctg 480
cccacctgcc tgctgggcct ggcatttttg gactactttc cagtagagtt aattgatttc 540
gctctcagtc cagggtttgt caggtagct caggagagaa ctaagtttga cctccttaag 600
gaactatata ccctcgatgg tacagttggc attgagtgtc cagattacag aggcaatcgt 660
cttagtactc acctcagca agaggggtct gaattgctgt ggtatttagc agagaaggat 720
atgaattcaa agcctgaatt cttagaaact gtctttttac tggagaccat gctggggggg 780
ccccagtacg tcaagcacca tatgattttg cctcataccc gatcttctga cttagaggtc 840
cagcttgatg ttaacctgaa gccattacca tttaatagag aagccacgcc ggctgaaaat 900
gtagccaaat taaggcttga gcatgtggga gtcagcctta cagatgattt gatgaataag 960
ttactaaaag ggaaagcaag aggacatttc cagggcaaaa ctgagtcaga gcctgggcag 1020
cagccatgga gttggagaat aaggcagctg tacctctggg gggcttcctt tgcaatgtag 1080
cagntaaatc aggggccatg gagatggytg gcctktgccc cgcagcctgc atgcagaccc 1140
caagaatgaa gctggctgtt cagttcacia acaggaacca gtattgctat ggctccaggg 1200
atctccttgg actgcacaat atgaagaggc ggcagctggc tcggcttggc taccgtgtgg 1260
tagagttatc ctactgggaa tggctccac tactgaaacg aactcgctta gaaaagttgg 1320

```

1029

```

cgtttcttca tgagaaagta ttcacctctg ctctctgaag ggcatttagg ggcatttcta 1380
tggcaaagct ataggtgtat actgtaccag gtgttgcaaa atgattataa aagccagaat 1440
gtaagtttgg cgataaaata gtgtgttgag gagacttaat tgtatccaag gcagggttaga 1500
gctagtgtat gttactgtga attgtaatgt agttggattg tacaaattac tgcaaagtga 1560
tacatgttac tcttagtaaa taataaacat cttaatatgt cctacggtca annaaaaaaa 1620
aaaaaaaaa a 1631

```

<210> 1640

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1640

```

gaataaaccc aacctacaga gcatcatagc ttagcctagc ctgctttaa tgtgctcaga 60
aaacttccat tagcctgcaa ttaggcaaaa tcatcaaaca taaaaccatc aaacataaaa 120
tatttataaa gtgttgaata tctcatatag tttattgaat acctgcatcc aaaagatgct 180
ggcaacacag cacactttag agcattgggt gtttactctc ttgatggat ggctgcccag 240
catcaagagt tatcactact caaatcgata gccaggaaa agagcaaaat tcaaagttca 300
aagtagagtt tttactgaat gcttgctttt gcaccgtcgt aaagttgaaa agaattttaa 360
ttgaaccatc ataagctgca gactgtgcat tttatattga aaagttaata tttttaattt 420
ttaatgcaga gaagtaccca aagcataaga acacaacaca ttttcacaaa gcaaacacag 480
ccatggaacc agcacccata tcaactaaca aaatactagt ttgggctttt ttgtacttta 540
tacaaatgga ctcataataat gtcatctctt tgggtctgcc tgctttcatt caatattagg 600
tttgtgggtt catctctgct gtgtgtagtt ctttcctgtt ctttatacag tgttccaaag 660
tatagtatat tacagtttac ccattctact cttgatagta aatgttttca catttgggct 720
attacaaata gtgctgcagt gaacattcac atacacatct tttggtgaac atgtgttaca 780
tttccaagta caattgctgg gtgatgagta tgcatactct taaaacatgg ttgtaccaat 840
ttacacctct acg 853

```

<210> 1641

<211> 688

<212> DNA

<213> Homo sapiens

<400> 1641

```

gggcagatgc gtggaagcac tgtcttggtg atctggggta agatccaaga gaattccctg 60
cattaccagg cagagactct tttccccttc tcttgcttcc ctgcaaacaa atggagtctc 120
tctccatact grgctccctg gatcctgggg caggggtgac acaagagccc atatggccac 180
caccactggg actgcactgg atcagaccta aagccagggc aacactgggt cttgcctaag 240
gccacagtg accactgcct ggctattgct gatgttcacc caaggcccag gggctkttca 300
gtcagcagtt ggtgaacca gccagacca tgtccttccc ttcaaggcaa taagcttttc 360
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gagctagggc ctggatgagt gcatcagggc tctgcctggc accctatcct actgtggctg 480
agctggtgta caagttgcaa gacagtcttc tttactctc ctccctctct cctgtagcag 540
aaagaaggaa tctctcccaa agctgcgagc tgtactgctt ggggttgggg gaggggtggc 600
acaagcactc ccttagccac cctggctggg gtctcactaa tttgtgtgca cccaagttcc 660
actggctcca agggcagcgc agcaccat 688

```

<210> 1642

<211> 1916

<212> DNA

1030

<213> Homo sapiens

<400> 1642

```

gcgcccgcgt cgtgcgtgcc gctcggcgga ggggacgggc ctgcgttctc tctccttcc 60
tccccgcctc cagctgccgg caggaccttt ctctcgctgc cgctgggacc ccgtgtcatc 120
gcccaggccg agcacgatgc cccctaaaaa gggagggtgat ggaattaaac cacccecaat 180
cattggaaga tttggaacct cactgaaaat tgggtattgtt ggattgcaa atgttgggaa 240
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cactattgat cctaatagaga gcagagtacc tgtgccagat gaaagggttg actttctttg 360
tcaataccac aaaccagcaa gcaaaattcc tgcctttcta aatgtgggtg atattgctgg 420
ccttgtgaaa ggagctcaca atgggcaggg cctggggaat gcttttttat ctcatattag 480
tgcctgtgat ggcactcttc atctaacacg tgcttttgaa gatgatgata tcacgcacgt 540
tgaaggaagt gtatgacctt ttcgagatat agaaataata catgaagagc ttcagcttaa 600
agatgaggaa atgattgggc ccattataga taaactagaa aagggtggctg tgagaggagg 660
agataaaaaa ctaaaacctg aatatgatat aatgtgcaaa gtaaaatcct gggttataga 720
tcaaaagaaa cctgttcgct tctatcatga ttggaatgac aaagagattg aagtgttgaa 780
taaacactta tttttgactt caaaaccaat ggtctacttg gttaatcttt ctgaaaaaga 840
ctacattaga aagaaaaaca aatggttgat aaaaattaaa gagtgggtgg acaagtatga 900
cccagggtgt ttggtcattc cttttagtgg ggccttgga ctcaagttgc aagaattgag 960
tgctgaggag agacagaagt atctggaagc gaacatgaca caaagtgctt tgccaaagat 1020
cattaaggct gggtttgag cactccaact agaatacttt ttcactgcag gccagatga 1080
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ggaaggttct gaaatgcag tcaaggctgc tggaaagtac agacaacaag gcagaaatta 1260
tattgttgaa gatggagata ttatcttctt caaatttaac acacctcaac aaccgaagaa 1320
gaaataaaat ttagttattg ctcagataaa catacaactt ccaaaaggca tctgattttt 1380
aaaaaattaa aattttctgaa aaccaatgcg acaataaag ttggggagat ggggaatcttt 1440
gacaaacaaa ttatttttat ttgttttaaa attaaaatac tgtgtacccc ccccmcycc 1500
atgaaatgca ggttcaacta atgtgaacag ctttgctttt cacgtgatta agaccctact 1560
ccaaattgta gaagcttttc aggaaccata ttactctcat gatacttcat taatctccat 1620
catgtatgcc aagcctgaca catttgacag tgaggacaat gtggcttgct cttttttgaa 1680
tctacagata atgcatgttt tacagtactc cagatgtcta cactcaataa aacatttgac 1740
aaaacaaaaa aaaaaaaaaa aaaagtacta gtaacgggtc ttgttccatc tcgagggggg 1800
gcccggtacc aggtaaagtg acccaattcg ccctatagtg agtcgtatta caattcactc 1860
gatcgccctt cccaacagtt gcgcaacctg aatggcgaat ggagatccaa ttttta 1916

```

<210> 1643

<211> 1344

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1343)

<223> n equals a,t,g, or c

1031

<400> 1643

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ggcagagcac atgcgcaccg cagcgggtcg cgcgcacctaa ggagtggcac tttttaaaag 60
tgcagccgga gaccagccta cagccgcctg catctgtatc cagcgccagg tcccgcaggt 120
cccagctgcg cgcgcccccc agtcccgcac ccgttcggcc caggctaagt tagccctcac 180
catgccggtc aaaggaggca ccaagtgcac caaataacctg ctgttcggat ttaacttcat 240
cttctggctt gccgggattg ctgtccttgc cattggacta tggctccgat tcgactctca 300
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ctatattctg atcggagccg ggcgcctcat gatgctggtg ggcttcctgg gctgctgcgg 420
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tgtttttttg ccactaatth tagtattcat tctgcattgc tagataaaag ctgaagttac 1020
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ggtttgcttt ggtttatatt ttttcagttg tttgtttttg cttgttataat taagcagaaa 1140
tcctgcaatg aaaggtacta tatttgctag actctagaca agatattgta cataaaagaa 1200
ttttttgtgc tttaaataga tacaaatgtc tatcaacttt aatcaagttg taacttatat 1260
tgaagacaat ttgatacata ataaaaaatt atgacaatga aaaaaaaaaa aaaaaaaagg 1320
cgcgccgccc cagaggancc ccng 1344
```

<210> 1644

<211> 1109

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1075)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1077)

<223> n equals a,t,g, or c

<400> 1644

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ttgttgacca gctacctga gccaggcacc accctgaagg agcttctttt cctctgggga 60
gaagcaaatt catgatgtgt gtgctggaga tctggcactc atggccagtg ctttccagta 120
tcttgaaactc ttcgggggtc ctgttgaccc atttcgtgac ctacctccgt gactgctctt 180
tttctctgt ctcttaagtg tgatggtttt ccagagtcca atcctcagga ctttcccgtc 240
cacacacagg cctggtagtc aggtggctct aaaccattag gtgggttgta gacctctctc 300
aagctgccac ctcccttctg tcgccagatc gtatttcagt ctgtcagggg ttatctgtat 360
ctggagggtc cactgttgct tcagtctcag ttacttagaa tggaaaccag agtcctgccc 420
ctttccacct acatgctctt acttgaaagc acctgagact tattgggtcc ctgattcctg 480
cttcgtctgt atccgcagag tagttgcatg tcattttggc tgttttctaa ataatccac 540
atcatgtcct ccctgcactt acattgccac tgctctgatt tgggcttttt tttttttggg 600
```


1032

```

acaatgcctc tgtcccaatt ctgagtaaca gctctgggtc ttgccactac cagagttctc 660
tagcaaattc gagcatctga cagggtgaaa aattctgaat ggcttcctga tgcctgactt 720
tatgggatca aattcaagtt gcacgctgca ctcagtgcc ttctggatc atctgccaag 780
accagggcct gcttcaccac agccacaata aagtcctttc aagccctgaw aatgccatgt 840
tttgtcctaa ccttttgctg cagttaatta ctcttcctat tatcttccat gaacttaaga 900
ctgggcaaaa atgtttcctt atctgtgagc cactctgaac acaaacaggt catgaagata 960
gtgttgaaaa caataaatga caaccaaaag gaaaagtggg atattaccta gttacaaaata 1020
gtgtaaattg agacmgaaat gttaaagcta gaaagcaagg ggcaatattt ctagnantac 1080
aaattagtgg cttggcctac tacaatatt 1109

```

<210> 1645

<211> 2173

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2170)

<223> n equals a,t,g, or c

<400> 1645

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acagagattt gatttctaatt gctatgaatt ggaccagttg gctgacatgc cacaagaaac 60
ttcatattaa gaaacctgct aatatttttag ttatgggtga aggtcctgag cgagggaagag 120
taaaaattgc tgacatgggc tttgccgatt atttaattca cctttgaagc ctttagcaga 180
tttggatcca gtggttggtta cattctggta ccgagcccct gaactacttc ttggagcaag 240
gcattatacc aaagctattg atatttgggc tatagggtgt atatttgcag aactactaac 300
gtcagaacca wtatttcact gtcgacaaga ggacatcaaa actagtaatc cttatcacca 360
tgaccagctg gacagaatat tcaatgtaat gggatttcct gcagataaag attgggaaga 420
tataaaaaag atgcctgaac attcaacatt aatgaaagat ttcagaagaa atacgtatac 480
caactgcagc cttatcaagt atatggaaaa acataaagtt aaaccagata gtaaagcatt 540
ccacttgctt cagaagctgc ttacatgga cccaataaag cgaattacct cagaacaggc 600
tatgcaggac ccctatttct tagaagaccc acttcctaca tcagacgttt ttgccggttg 660
tcaaatccct tacccaaaac gagaattttt aacggaagaa gaacctgatg acaaaggaga 720
caaaaagaac cagcagcagc agcagggcaa taaccacact aatggaactg gccaccagg 780
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cattatctga ccaatagtac acacacagac acaaagttta actggtactt gaaacataca 1440
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tattgcttgg atttttttga aagtacaaaa agccacatag tttttccaga aaggtttcaa 1620
aactcccaaa gattaacttc caacttataa gtttgttttt attttcaatc tatgacttga 1680
ctggtattaa agctgctatt tgatagtaat taaatatgtt gtcattgata taaacctgtt 1740
tggttcagca aacaaactaa aatgattgtc atagacagtg ttttattttt cctgttgggtg 1800

```

1033

```
ttgctgattt gtgagcatgc ttttaagatga aaaaagcatg aatgataact tccttaaaaa 1860
ggcgccggcat ccaattcaaa ttttttcgtc ctgattttta agctgggttg tgtagtgcta 1920
ttaaattttc gttcagttaa ttttcctttt gaaaacttgt tcgcacgttg tttaggggtgc 1980
ccttacttca gcaaaggaga aggagtagga gagccttaga atttttgagg aaaaaaaac 2040
ctataacata caatgtactg tatcaaacta ttttacatga atgacacaag tattctgaat 2100
aaaaaataat tgaacattgt taaaaacaag gtgttatgta ataaatttat ttttcataaa 2160
tcaaaaaaan aaa 2173
```

<210> 1646

<211> 1394

<212> DNA

<213> Homo sapiens

<400> 1646

```
ggcgccgctct tccggggcct ggcgggcccg ggaccgaggg ggcggggagg tgaccggcg 60
ggggcgaggc cagcgggcgg gcgcggcgcg ggaggcgacc atgcgcggcg cgggggcgat 120
cctgcggccg gcggcgcggt gtgcccggga cctgaaccgg cggcgggaca tctcctctg 180
gctggccag tggttcccta gaacccagc cagggtccgt gtggccctga agaccccat 240
caagggtgag ctggtggcag ggaaaacct cagggtggtg gtgtgtggcc gcagcaagaa 300
gcagcccttc tgtgacggt cccacttctt ccaacgcact ggcctatct cactcaagtt 360
caaggcccaa gagaccgca tgggtggcact ctgtacctgc aaggccactc agaggccccc 420
gtactgcgat ggcaccaca ggagtgagcg cgtgcagaag gcagaagtgg gctccccact 480
ctgagggggc tgctgctgtc cagccacagg tggccttggc tccaggcctc tgacaggcac 540
ccccttctgt gggaaaggaa acaggtgctg agcccaagag actctggtac ccactgctgg 600
ctcatgaagg aagaattatt ccttataacc taaaagtctc cagtctgggg caggcgggag 660
tgggcccttg ttcaatgttt gctgatgggg aagatggcaa aaacaagcct gcccaaccag 720
actggtagtc ctgcagtcac tgctatgagg ccatgtgct gcctcctgct ccagatttta 780
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tccaccccaa agaactacag gctccagaaa gtatgcagca tttattaca agccaagaga 960
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caaacacaga caagcccatc agggggctcc caacccaca cacctacgt atgatggaat 1080
ctcgagtctc gactcccgac tctctcaga tctatgcaca cttgaggaaa tctcggtggg 1140
cagcgacctg ccagggtctg tccctaagga ggtggtccgc tgacctctca aggggtgggg 1200
gtggggtcag agcttacagg tttctgtctt cttgtgcttt tagatgcagt tgctctgtcc 1260
tgaccagggt accgggcctc agactcggac gcccgcgtgg tgttggtgcc tcggaggggt 1320
gggcacgtgg ctagggtgag cgcttgaggc tggctggaca ggtacttgag ggggagaggc 1380
cgttccgccg cagg 1394
```

<210> 1647

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 1647

```
tacaggccng gtccattaac cagccaggga atgaacmtca gcagacagty tccmccttg 60
```

1034

```

aatttattgc cctctagtgc gcacttcagg ccttccacct acaaaaaatc ttcaggcccc 120
ctcaaagcta mcaaactcat catccactgg aactgttggg aagacagctt gagggtgaatt 180
gcaatgaatg tacctgccag cagaggtagc aaccttaact caagcggagc taataggact 240
agtctgtctg ggggaacagg aagtggaaca caggggtgcta ccaaaccatt gtctactcca 300
catagaccat ccactgcctc aggggtcttca gtggtaacag ccagtgtgca gaagctcatt 360
cacacagaag acccatttaa tgatgaacat caggagaggc aagaggtgga aatgttggct 420
aagaagtttg aaatgaaata ttatgatgaa ttagttcccc cttctctaac aacaaaatat 480
ggaggctttt atatcaacac tggcactcta cagtttcgcc aagcttcaga tactgaagaa 540
gatgatatta cagacaacca aaagcacaag ccaccaagg tccccaaat aaaagaagat 600
gatattgaga tgaagaagcg gaagcggaaa gaggaagggg aaaaggagaa gaagccaagg 660
aaaaaagttc ccaaacaact gggagttgtg gctctaaatt cacacaagtc tgaaaaaaa 720
aaaaa

```

<210> 1648

<211> 1593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (697)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1032)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1078)

<223> n equals a,t,g, or c

<400> 1648

```

ggctggatcg cgttgtcccc cctggcgcgc cgcagcgcc tgcgggtggc cactcgcgcg 60
gtgctcatca ccgggctgtg actctggttt tggcaaggag acggccaaga aactggactc 120
catgggcttc acgggtgctg ccaccgtatt ggagttgaac agccccggtg ccatcgagct 180
gcgtacctgc tgetccccct gcctaaggct gctgcagatg gacctgacca aaccaggaga 240
cattagccgc gtgctagagt tcaccaaggc ccacaccacc agcaccggcc tgtggggcct 300
cgtaacaac gcaggccaca atgaagtagt tgctgatgag gagctgtctc cagtggccac 360
tttccgtagc tgcattggag tgaatttctt tggcgcgctc gagctgacca agggcctcct 420
gcccctgctg cgcagctcaa ggggccgcat cgtgactgtg gggagcccag cgggggacat 480
gccatatccg tgcttggggg cctatggaac ctccaaagcg gccgtggcgc tactcatgga 540
cacattcagc tgtgaactcc ttccctgggg ggtcaaggtc agcatcatcc agcctggctg 600
cttcaagaca gagtcaagtga gaaacgtggg tcagtgggaa aagcgcaagc aattgctgct 660
ggccaacctg cctcaagagc tgctgcaggc ctacggnaag gactacatcg agcacttgca 720
tgggcagttc ctgcaactgc tacgcctggc catgtccgac ctacccccag ttgtagatgc 780
catcacagat gcgctgctgg cagctcggcc ccgcgcgcgc tattaccccg gccagggcct 840
ggggctcatg tacttcatcc actactacct gcctgaaggc ctgcggggcg cttcctgcag 900
gccttcttca tcagtcactg tctgcctcga gcaactgcag ctggccagcc tggcactacc 960
ccaccacagg acgcagccca ggaccctaac ctgagccccg gcccttcccc agcagtggct 1020

```

1035

```

cggtgagcat gntgcaccta tggcccagcc actgcagcac aggaggctcc gtgagccntt 1080
ggttcctccc cgaaaacccc cagcattacg atcccccaag tgccttgga cctggcctaa 1140
agaatccccc ccccaattca tgcccactgc cgatgcccac tccaggcccg gtgaggccaa 1200
ggtttcccag tgagcctctg cgctctcca ctgtttcatg agcccaaaca ccctcctggc 1260
acaacgctct accctgcagc ttggagaact ccgctggatg gggagtctca tgcaagactt 1320
cactgcagcc ttccacagga ctctgcagat agtgcctctg caaactaagg agtgactagg 1380
tggtgtgggg accccctcag gattgtttct cggcaccagt gcctcagtgc tgcaattgag 1440
ggctaaatcc caagtgtctc ttgactggct caagaattag ggccccaaact acacaccccc 1500
aagccacagg gaagcatgta ctgtacttcc caattgccac attttaaata aagacaaatt 1560
tttatttctt ctaaaaaaaaa aaaaaaaaaa aag                                     1593

```

<210> 1649

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (228)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<400> 1649

```

aaagaactgt gtgagaacac tgaaaactca aaaagtcaga atgccttctt tcctccaaat 60
gactgtatca actctccagc aagtgttcan aactgggctg aggctgagat gtctggaatg 120
atacaagcag ggttcaggat atgcgtagga acaaagttca ctgagtgaac gaagtatgtt 180
gtcatgcaat acaagtgcgc taaaaatcat tgtaaaacat tgcagganct aacagacaaa 240
atancaagta taaagaagac ataaccgacc tratagagct gaaaagcaca ctasaagaat 300
tttcataatg cartcacatg gtgattatgt gtgactggat tatgaaaatt attgtagtgt 360
gtgtgggcac ccgagattgc cctgtaagca ggacgcctgc acattacctc tccatactgc 420
agccctttat atggaaaactt cctacatcac tttgctgtgt gtgttttacac atgtnggggt 480
ttgctgtact tgccttgaca gcacaccggg agtgcaggcc acaccccaac ccacaccaac 540

```

1036

tgccacttga aanacaaaac cttgggtggg gc

572

<210> 1650

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 1650

```
gcactagcgc tatcacattc tctccgggat ttccccccct gctctgtggc ttcttgttga 60
gaggttgttt gggtatggtt tagcngttga aaagattcag gttatccttt taaatgactt 120
tacgttttag tggagctggg agattacttg cctggcttct aatcttcacg ttggttcatt 180
ttatttccat atgtgtgtgg gttatttgtt cagtaattag aattagataa agtattctgc 240
ttttaagtag ttttgagaag gcctaaaaat actaaagtgt attcataaat atttttatta 300
tgntcaagta gaagacacac ctttgccatg taaattttta cttttcttca agncttcagt 360
gaatctacag acctattttc tcangagctc aacctggcct tactt 405
```

<210> 1651

<211> 995

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (919)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (987)

<223> n equals a,t,g, or c

1037

<400> 1651

```
gcaaaaccaa caaaacaacc aaatacaggt ctcaagcgat ttacagctcg gtgcttaact 60
cggtcaccgg ccgaggggca gccctctggc gccaaagccc cgctctctta tgacgtcaca 120
cgaggagccc tgaagtggcg gtcaagcttg aggcgtcatc tggctgcgct aagtggggccg 180
ttgccttaca gttgctgaga ggaggcgaga ggcgggggcg ctaggggccga gatcatgtct 240
gactgggaga ggtttccttg gcagcagagg acgctagggt tgggatgaaa gaagctgggc 300
agatgcaaaa tctggagagc gcgagggccg ggcggtcagt cagcacccag actggcagca 360
tgaccggtga gtgtccggga cctgtctccc gccaccctac ctttcgctct gccctgtgcg 420
tctcccgta ttgaactcca gattccttgt ctgagcctct ttgcctcccc tgctgtcttt 480
ggatgtctcc tgcccgcct ctgctgtctc cctccgcggc cgccaggacc aatcggctcg 540
gtcgcactgg cttttgaagt ctgctttttt acccctgtta gctacttctc acaggacctt 600
gagctggggc ctctgaggtc aaagagcctg aacatttcca aacggcgctt ttgccttgat 660
ttccaaatta accgcacgtg acgctttcct gtatttcgac tgctttaccg tcgaaggtca 720
gataccaagg cttttctaaag tcaacctttt cactctgtct agcctctgga tggagctctt 780
tccagcagaa gcccagcggc aaaaatctca gaaaaatgaa gagggaaagc atggaccctt 840
aggagataat gaagagagga ccagagtatc tactgacaaa agacagaaaa ccatgttctg 900
cttgtttgaa aatgattgna aatgcaaagc cttaacagta atgatcagat ctatgtctag 960
gtcagtgccct tgagctataa atggcanaac ttcta 995
```

<210> 1652

<211> 636

<212> DNA

<213> Homo sapiens

<400> 1652

```
gcggacgcgt gggaaataat tgcattaaaa tacaaaaggt gatagggaag aattaaaaga 60
tttgagctat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggagggt 120
ttatatgata ttcaattgag tattaaataa tttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttagcaacag attctcagag taaattgtta 300
acttctatga tttatgataa tcaagctgga cttgatcata caagttagtc tcataatgta 360
ttggaccaaa atgtaaactt cattgggtcag atttagaagc attcatgctc acaagttttg 420
ggaaagttaa aaataataaa atcatcttgg attttattct gtatatataa atttatcttt 480
taaggaaaca atctgtatac tacttgcttg tatagccttt tgacccttct tgagtttttc 540
agaagccttt aattttttata ctttcaatac catatttaca ttatatactt taattaacaa 600
tgtgagtttc tctgtgaaaa aaaaaaaaaa aaaaaa 636
```

<210> 1653

<211> 1255

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1251)

<223> n equals a,t,g, or c

<400> 1653

```
ggcagagcag gaggagcacg ggaaaagaaa gaagaaaggc aaggggctag ggaagaagag 60
ggacccatgt cttcggaat acaaggactt ctgcatccat ggagaatgca aatatgtgaa 120
ggagctccgg gctccctcct gcactctgcca cccgggttac catggagaga ggtgtcatgg 180
```

1038

```
gctgagcctc ccagtggaaa atcgcttata tacctatgac cacacaacca tcctggccgt 240
gggtggctgtg gtgctggatt tgatgagtta actgtgaaat accacaagcc tgagaactga 300
atatttgggac ttctaccagc atggaaaaat aacaactatt tttgttgttg ttgtttgtaa 360
atgcctctta aattatataat ttattttatt ctatgtatgt taatttatat agtttttaac 420
aatctaacaa taatattttca agtgcctaga ctgttacttt ggcaatttcc tggccctcca 480
ctcctcatcc ccacaatctg gcttagtgcc acccaccttt gccacaaagc taggatgggt 540
ctgtgaccca tctgtagtaa tttattgtct gtctacattt ctgcagatct tccgtgggtca 600
gagtgccact gcgggagctc tgtatgggtc ggatgtaggg gttaacttgg tcagagccac 660
tctatgagtt ggacttcagt cttgcctagg cgattttgtc taccatttgt gttttgaaag 720
cccaagggtgc tgatgtcaaa gtgtaacaga tatcagtgtc tccccgtgtc ctctccctgc 780
caagtctcag aagagggttg gcttccatgc ctgtagcttt cctggtcctt ccccccatg 840
gccccaggcc cacagcgtgg gaactcactt tcccttgtgt caagacattt ctctaactcc 900
tgccattctt ctggtgctac tccatgcagg ggtcagtgc gcagaggaca gtctggagaa 960
gggtattagca aagcaaaagg ctgagaagga acagggaaca ttggagctga ctgttcttgg 1020
taactgatta cctgccaaat gctaccgaga aggttggagg tggggaaggc tttgtataat 1080
cccaccacc tcacaaaaac gatgaagkta tgctgtcatg gtcctttctg gaagtttctg 1140
gtgccatttc tgaactgtta caacttgtat ttccaaacct ggttcatatt tatactttgc 1200
aatccaaata aagataaccc ttattccata aaaaaaaaaa aaaaaaaat ntctc 1255
```

<210> 1654

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<400> 1654

```
ggaatctcct actatagtga aagctggtac nctgcaggt accggtccgg aattcccggg 60
```

1039

```

tcgacccaag cgctccgcca cgcgtccggg actccttgaa ccttggactt caaagggggg 120
agagattgct gcagcccccgc attataaaca cttgggttta gaagccacag aataccattt 180
cctgcatatt ctattggnc aagcaggttg agaaccagct ctgaccaaga gggtagggga 240
tcaaaccttc acctcttgat gggagaggca tcacacacac acacatgcac acatacatat 300
rcatatatac attaataact tggcatttat agtgcttgat aaattagagt tctattaata 360
gaatgttttg actagggcta caggataaac tgttgccctc acttaagaga atcaggaaat 420
ggactttggg agtcctgctt ggcattantt tgtggcangg ttgcagatgc nctgtattta 480
cacttaagaa gtcttcgaac atttccctct ttgacatt 518

```

<210> 1655

<211> 793

<212> DNA

<213> Homo sapiens

<400> 1655

```

gcttgaaact ccagaatggt cccaccatgg gtggccaagc cacatcacag ggaagaaacc 60
ttcaatgtgc tttctgtgca gcacactcct ctcttctgtg atctgaacac gaaccaccac 120
ctctaggcta ggactcagat gcagttagct ccactatacc cacagtcaca tacggacagt 180
aacttctctt cccgaatcct gtctggatcc aagtgtccct gggccagagt ctccctaaga 240
gacagccctg agtccaagcc cctgagaagc tcagggccat gcaaagcagg aggcctgggt 300
gtggaagggg tatgggtagg gcctgagaat ggactgaggg gcagacagtt cagggaaggg 360
aagatcactg gggtagagag gtgacctgra gggaggtcag cgtgggcagg ggtgagacca 420
aggaaaagat tgaagaacag aaggcattgg ccttacagct tcaaaaccag agattgcagg 480
agcgggaaca ttcagtacat gattcagtag aactacatct tcgtgtacct cttgaaaagg 540
agattcctgt tactgttgtc caagaaacac aaaaaaagg tcataaatta actgatagtg 600
aagatgaatt tcttgaaatt acagaggaaa tggagaaga aataaagaat gtatttcgta 660
atgggaatca ggatgaagtt ctcaagtgaag catttcgcct gaccattaca cgcaaagata 720
ttcaactct aaacctctg aattggctca atgatgagat catcaatttc tacatgaata 780
tgctgatggg agc 793

```

<210> 1656

<211> 1062

<212> DNA

<213> Homo sapiens

<400> 1656

```

gggcacgagt ttctgtctc ctctcctggct cctccttctt cccacccct ctaataggct 60
cataagtggg ctgagccctc tctgcggggc tcaactctgcg cttcaccatg gctttcattg 120
ccaagtctt ctatgacctc agtgccatca gcctggatgg ggagaaggta gatttcaata 180
cgttccgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc acaaccaccc 240
gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgccctg gtggtccttg 300
gcttcccttg caaccaattt ggacatcagg agaactgtca gaatgaggag atcctgaaca 360
gtctcaagta tgtccgtcct ggggtggat accagccac cttcaccctt gtccaaaaat 420
gtgaggtgaa tgggcagaa gagcctctg tcttcgccta cctgaaggac aagctccctt 480
acccttatga tgaccattt tccctcatga ccgattccaa gctcatcatt tggagccctg 540
tgcgcgcgtc agatgtggcc tggaaacttg agaagtctc catagggccg gagggagagc 600
ccttccgacg ctacagccgc accttcccaa ccatcaacat tgagcctgac atcaagcgcc 660
tccttaaagt tgccatatag atgtgaactg ctcaacacac agatctccta ctccatccag 720
tcctgaggag ccttaggatg cagcatgcct tcaggagaca ctgctggacc tcagcattcc 780
cttgatatca gtcccttca ctgcagagcc ttgcctttcc cctctgctg tttccttttc 840
ctctcccaac cctctggttg gtgattcaac ttgggctcca agacttgggt aagctctggg 900

```


1040

```
ccttcacaga atgatggcac cttcctaaac cctcatgggt ggtgtctgag aggcgtgaag 960
ggcctggagc cactctgcta gaagagacca ataaagggca ggtgtggaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1062
```

<210> 1657

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<400> 1657

```
ggcttcgtaa gatttaacat atcagaactg gggaaagaga aaggaggggg ttattttttt 60
gcagcatttt ccagtcacat atcagggtta tactgaactg caacaaagat caacttttaa 120
aaattagcct tcttaaaata caaaatgatt taagtatttt aaagataatt tatttgcctt 180
gctcttgcc tctaacatta gccatttcat ggagaggcta aaacttatac tccaaaaaat 240
gtggaagcac attttaatgg gagtaaaatt aaaaaatttt gagaaaggg aaatcttat 300
gaatatgcat cttcttagct ttatcttccc tttgataggt aggcacttat gctcttccat 360
ctgctccatg tcaaataagg ctcagggaag ccagtcattt ccttagcgag atgattactc 420
ctttgccttg aaacatttat tggggcccac catgtatgga tcagtgtgtg gtartgartc 480
atactcccaa atcartgatt cccaartctt ggctttgggr accmgtatgc cttgtattct 540
cttaaaaagc aacaataatt tcttgaaaca aaattagttc aanaattgga attaaaaaat 600
atttccagtt gt 612
```

<210> 1658

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

<400> 1658

```
catcttaggt gacactatag aaggtaggcc tgcaggtagc ggtccggaat tcccgggtcg 60
accacgcgt ccgnccacgg tccggctttc agcaattgat ggtgctttgt tgtgggtgtc 120
gctggaagtc tactgccatt atagggaacc ttgcttgcta gcttctctag atctctattc 180
taaacaatct gttagtgatg ataaattctg taggagggtc tattctgagc cgtaacttc 240
ctgtaagggg aaaatgggtg gggtaccaga aataccattg aagcaggggt ggctgtgggg 300
tggaagggtt ggggtatttgt cttgagaatt aaaaactacg aaacactttt gtacacaact 360
gattttttta aaaataaaca catttttttaa gatgttgaat ttttcccccc ttattgggaa 420
ttcttaaaaa taaatgcatg catgttttcc cctgaaaaaa aaaaaaaaaa aaaaaaaaaa 480
```

1041

aaaaangaaa aaaaaaaaaa aaaaaaaaaa aagggggggc 9

521

<210> 1659

<211> 887

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 1659

```
ctcaaaaaaa aaaaaaaaaa ttaaaaactt cctttttantc gcagagctgg aaaagttgga 60
gttggtttttg gtatacttgg agagctggct ttctaaagtg ctgctttgag gactgttggtg 120
taaagcactt gattcgtctt ccctttgctg gagttatggg cctgggcttt tacactgggg 180
ttctgaagta acaaacaaag tcagtcacaga aatagttgct cagcaatctc attgttacag 240
tgctgcacaaa tgagctcata ttagctttat tttctgctac caatagagtg ttcctaagta 300
tttaaagtgt gtgactcctt tcttatagag ccagcaagct gtattggaat cacttttcca 360
gtgttgtaaa tgttattttt gtgggtcagt cagtatactc gtgaatgaca gaaaaacaga 420
tcccaacaat gcaaagtatt atatgtgtaa aaaagaacag aaaaaagaag ctgccttggt 480
agtaacgggc tctatggttt ttctcatcaa gaggtcatga cgccagtcag atcacactag 540
ccttggsac agctgcctcc taccacaggc cctgccaggc tctcggggcc atgctgtcca 600
aaggagccct gaaccctgct gacatcacccg tctgttcaa gatgttcaca agcatggacc 660
ctcctccggt tgaacttgaa gttgcttctc aagaatcccc aatgtcagct ggtaagtgta 720
ctttggaaag tctgtgcttg tctgattgtc tgaaggctgt gaatgcaaat ccatcattgt 780
cctggtcctt cctcagtcac actctctgcc tggagcctgt tgggcccctg ctgtgtaggg 840
ataccctgag gggaggtggg tgagcagtg cctcacgcct gccatcc 887
```

<210> 1660

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1660

```
gattgtgtct ccagccctc aggetgaaga cactgccttc cccctacacc tccccagggg 60
tgccgggttac cagcactggg aggccaggcc atgctcacgc ttcattggagg acacagcagc 120
agagaagcts acaagggtgt aaactccatc ctggcattcc gggagaagga atggcagagg 180
ctgcagtcac acccccacct gaaagagggg tccgtgacct ccgtgaacct gactaagcta 240
gaggggtggcg tggcctataa cgtgatacct gccaccatga gcgccagytg tgacttccgt 300
gtggcaccgg atgtggactt caaggctttt gaggagcagc tgcagagctg gtgccaggca 360
gctggcgagg gggtcaccct agagtgtgct cagaagtgga tgcaccccca agtgacacct 420
actgatgact caaaccttg gtgggcagct tttagccggg tctgcaagga tatgaacctc 480
actctggagc ctgagatcat gcctgctgcc actgacaacc gctatatccg cgcgggtggg 540
gtcccagctc taggcttctc acccatgaac cgcacacctg tgctgctgca cgaccacgat 600
gaacggctgc atgaggctgt gttcctccgt ggggtggaca tatatacacg cctgctgcct 660
gcccttgcca gtgtgcctgc cctgccagc gacagctgag ccctggaact cctaaacctt 720
tgcccctggg gcttccatcc caaccagtgc caaggacctc ctcttcccc ttccaaataa 780
taaagtctat ggacagggct gtctctgaag tactaacaca aggaaaaaaa aaaaaaaaaa 840
aaaaaaa 847
```

1042

<210> 1661
<211> 508
<212> DNA
<213> Homo sapiens

<400> 1661
tttctcttcc ccagggtgcct caccttccct tcatgggctt tctgcccgc tttgggtacc 60
cctagcgggc ccgaggctca ccctggtttg gagccaggga tgctagtgtc cccggggccc 120
agcgcagcgc tgatgggaag ggacttttgt ccgtggggaa cccaggaccc acttctcyga 180
ggtgascttt ttttttttct gccgcagtgc ctcacctctc ctccctcaaa gctcaccttc 240
ccctcatgag ccctctgtcc gcctagaggt accgctagcg gcccgaggca caccctgtgg 300
ctgaaccagg gactccaggg tccttgcggc ccagcacagg cgctgatggg aagacacgtt 360
cgttcgtgga ggacccaggc cccgtttctc agtggcgtgg ttttttttct ctgcccgggt 420
gcctcacctt cctctaattg gccttttgcc cgctttgggg tacccttagc gggccctatt 480
cgcaccctgc gctcgaacca gggtcgca 508

<210> 1662
<211> 544
<212> DNA
<213> Homo sapiens

<400> 1662
gccagcata gagaggatgg ctgcccattc tcagctcccc tccttgcttc ctcgagtgtt 60
ctgactccgc actagccgcg ccctgtagga agaatagggt gtccacctct ccycggtgct 120
cgctagtca ctccagttga agacgggacg cgtgccgat ctcaagagag ccccgaccc 180
gtccgtgggg aaccacatcg acgcttcttc tcagcctcca gtctccagtt ccaaggatgg 240
gtcatctcca accmcttgcc ctgcctcagt ttctccatct ccctgctgca gcccagagga 300
actgggcacc ctcgagccgt gcatggcccg cgtgcgctcc gaggtcccgg ccgggtcgcg 360
ccgcagtctt cctcaagtat gcgcgccccc agcgccaggg gaccagcctt gccgccgcct 420
tgcttgccgc cgctccagt ctgagcctcc ctgagtactg ggactcagtc acaaaaaaat 480
caacaacaaa aaacaaaacc ctcccagtggt gtgtccgtct ctcatctcaa taaaagaatt 540
tatt 544

<210> 1663
<211> 444
<212> DNA
<213> Homo sapiens

<400> 1663
ggtcggacat gcaaaaagga gttaacaagg aaagatacta tcatggcaca tgtgactgaa 60
tttcataatg gacacagata tttttatgag atggatgagg tagaaggtag aactttgcc 120
tcactctcta caacattgga taatttgact gctaacaagc cttcatcagc tattactgtt 180
attgatcatt ccccggaata tagttctccg aggggtaaat ggcaatgccg gattttgtgaa 240
gatatgtttg attcccagga atatgtaaaa cagcactgca tgtctttggc aagccacaag 300
tttcatagat acagctgtgc tcaactgcaga aagccttttc ataagataga aacattgtac 360
cgacattgcc aagatgagca tgacaatgag ataaagatta aatacttctg tgggctttgt 420
gatcttatct ttaatgtgga agaa 444

<210> 1664
<211> 1279
<212> DNA

1043

<213> Homo sapiens

<220>

<221> misc feature

<222> (1273)

<223> n equals a,t,g, or c

<400> 1664

```

ccccgggtcg acccacgcgt ccgcggacgc gtgggatcaa caaactcatc cgaattggca 60
ggaatgagtg tgtggttgct attaggggtg acaaagaaaa aggatatatt gatttgtcaa 120
aaagaagagt ttctccagag gaagcaatca aatgtgaaga caaattcaca aaatccaaaa 180
ctgtttatag cattcttcgt catgttgctg aggtgttaga atacaccaag gatgagcagc 240
tggaagcct attccagagg actgcctggg tctttgatga caagtacaag agacctggat 300
atggtgccta tgatgcattt aagcatgcag tctcagacct atctattttg gatagtttag 360
atttgaatga agatgaacgg gaagtactca ttaataatat taataggcgc ttgacccac 420
aggctgtcaa aattcgagca gatattgaag tggcttggtt tggttatgaa ggcattgatg 480
ctgtaaaaga agccctaaga gcaggtttga attgttctac agaaaacatg cccattaaga 540
ttaatctaata agctcctcct cggatatgtaa tgactacgac aaccttgag agaacagaag 600
gcctttctgt cctcagtcac gctatggctg ttatcaaaga gaagattgag gaaaagaggg 660
gtgtgttcaa tgttcaaagt gagcccaaag tggtcacaga tacagatgag actgaacttg 720
cgaggcagat ggagaggctt gaaagagaaa atgccgaagt ggatggagat gatgatgcag 780
aagaaatgga agccaaagct gaagattaac tttgtgggaa acagagtcca atttaaggaa 840
cacagagcag cgcttcctgg ctgtaaatcc tagacttgaa agttttccag tattgaaac 900
ttcaaagctg aatatttttt atttctaagt atttaaatgt tctaacagat cagaacatga 960
aatgcctccc taaatgtcag ctgttggtcac acagtagctc caacactttg agcattttta 1020
agggagtggc ctcatttcac tagagacaaa tctttaagaa tagttctaaa attgggcttg 1080
tgatttccat ttctgatgtc tccagattgg caccctttc tagttcaatg cctcacgaga 1140
tttgccaggg gcatccaagg caaacaatcc caatctttct atataaaatg tattcaagca 1200
aacatcaaat aaatttctgg gatattttaa aaaaaaaaaa aaaaaggggg gggccttaa 1260
gaaccaagtt tantttggg                                     1279

```

<210> 1665

<211> 2509

<212> DNA

<213> Homo sapiens

<400> 1665

```

cggctcaggt gctggcggtc cgcgcgggcg cgcctctgct gcgggycggg ggagccagac 60
gaggtgctgc cgggtaggaa aaaatccagg gtcattcat accccaggct acgattccgg 120
ggtcgcccci agcactttct cgccgggtgc atcaacctga aaaagcccc k tcttcctgga 180
aacctcctt ctccagcgtt tcaacgggga aactgatcag ctgacaccag cccagtcct 240
gcgagggggc ggcgaccttt gacctttctc caaargggac cacctggctt catgtgtgga 300
tttccacggc tcttgcccag aggcgggtac actgtgttcc aatgtgccac ggaactcacg 360
cagtggcact ttgtggcttc atgaaggaag aggcaggcca cgcaacactt cctcccaaag 420
ccaaggagaa gtatcacttt tagaggcaga ggagcggaag gcagtgggtg tgacaaaag 480
tgccatttgt taaagactgt tggagcagaa ctactgagaa aaaccaggca ttgtatcttc 540
agttgtcatc aagttcgcaa tcagattgga aaagctcaac ttgaagcttt cttgcctgca 600
gtgaagcaga gagatagata ttattcacgt aataaaaaac atgggcttca acctgacttt 660
ccacctttcc taaaaattcc gattactgtt gctgttgact ttgtgcctga cagtgggttg 720
gtggggccacc agtaactact tcgtgggtgc cattcaagag attcctaaag caaaggagtt 780
catggctaata ttccataaga cctcattttt ggggaaggga aaaactctga ctaatgaagc 840

```

1044

```

atccacgaag aaggtagaac ttgacaactg cccttctgtg tctccttacc tcagaggcca 900
gagcaagctc attttcaaac cagatctcac tttggaagag gtacaggcag aaaatcccaa 960
agtgtccaga ggccgggtatc gccctcagga atgtaaagct ttacagaggg tcgccatcct 1020
cgttccccac cggaacagag agaaacacct gatgtacctg ctggaacatc tgcacccctt 1080
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gtttaatcga gccaaactct tgaatgtggg ctatctagaa gccctcaagg aagaaaattg 1200
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tgtgaggagc atcccaagca tctgggtggtt ggcaggaaca gcactgggta caggttacgt 1320
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gtgtcacgag tctggagaac agatgggttg agtagttgtt cttataaatt agtatctgtg 1620
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gagatttatt taaatttgaa gtaatatatt atgggataaa aggccacagg aaataagact 2040
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cgtccacaaa agagggggaga aaaggcgacg aatcaggaca cagtgaactt gggaatgaag 2220
aggtagcagg agggtggagt gtcggctgca aaggcagcag tagctgagct ggttgagst 2280
gctgatagcc ttcaggggag gacctgcccc ggtatgcctt ccagtgatgc ccaccagaga 2340
atacattctc tattagtttt taaagagttt ttgtaaaatg attttgtaca agtaggatat 2400
gaattagcag tttacaagtt tacatattaa ctaataataa atatgtctat caaatacctc 2460
tgtagtaaaa tgtgaaaaag caaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2509

```

<210> 1666

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1666

```

gtgagtgtgg ctgcgggcct tgctgcacgg accccatggg agctgtgagt gggtcagact 60
tccctggttc aggagacaga cagcggacgg atcccaggct gggcagctgg agggaggkrc 120
ccggggcgct gggcagccgg gctctacaca gtcagcagct ccggggccgc aggccggcgg 180
ggtccacaca ggctggccgg gctgggcctc cttggagcct gctacgccct cgtgggcacg 240
tggagaaggg cccactgtct ccacacgcca gccacagggg agccctggcc aggcgcccag 300
ccaggggagc gtgtgcctgg gatgggtcac agaaccagcg ggcacctgtg aggctggcca 360
gcaccgtggg gctgtgggaa tcgctcttat ttatatttwa acmccttgra ttttcaaaaa 420
a 421

```

<210> 1667

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1046

```

ggtgtggcaa ggccttcac agggactacc atctgagccg ccacattctg actcacacag 420
gagaaaagcc gtttgtttgt gcagccaatg gctgtgatca aaaattcaac acaaaatcaa 480
acttgaagaa acatttttga cgcaaacatg aaaatcaaca aaaacaatat atatgcagtt 540
ttgaagactg taagaagacc tttaagaaac atcagcagct gaaaatccat cagtgccagc 600
ataccaatga acctctattc aagtgtaccc aggaaggatg tgggaaacac tttgcatcac 660
ccagcaagct gaaacgacat gccaaggccc acgagggcta tgtatgtcaa aaaggatgtt 720
ccttttgtggc aaaaacatgg acggaacttc tgaacatgt gagagaaacc cataaagagg 780
aaatactatg tgaagtatgc cggaaaacat ttaaacgcaa agattacctt aagcaacaca 840
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gtgaaaaacg gagtttggcc tctcatctca gtggatatat ccctcccaa aggaaacaag 1140
ggcaaggcct atcttttgtt caaaacggag agtcacccaa ctgtgtggaa gacaagatgc 1200
tctcgacagt tgcagtactt acccttggct aagaactgca ctgctttgtt taaaggactg 1260
cagaccaagg agcgagcttt ctctcagagc atgcttttct ttattaaaat tactgatgca 1320
gaacatttra aaaaaaaaaa aaaaaaaaaa 1349

```

<210> 1669

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<400> 1669

```

gcgttcttgca ggtgggcgct gcgccgactt accaacaacc gggtcggggg ctcccgaag 60
tgctcttgcg gcttactgcc tggcacagct gtcattcttc tctacagaag agcttctcct 120
catcaactgg ggatgattac agttcttctt aaaaaaggat ggctgctctt tttctaaaga 180
ggttaacact acaaactgta aagtctgaaa atagttgcat tagatgtttt ggtaaacaca 240
tcctgcaaaa gacagcacca gcacagttgt cccctattgc ttctgcccc aactctcct 300
tcctaattca tgcaaaagcc tttagtaccg ctgaagacac ccagaatgaa ggaaaaaaga 360
caaaaaagaw taaaacagct tttagtaacg ttnggaagaa aaattagtca gcgagttatt 420

```

1047

tcacttatttt grtgagragg gcaatggttt tggggaacng gcaccgggcc aatgtggntt 480
ggantt 486

<210> 1670

<211> 1957

<212> DNA

<213> Homo sapiens

<400> 1670

tattaacata atattgagac gtaatacgtc gaacagtgga ggagcgggaag cttaagctag 60
aaatggagaa acaagaattt gaacaactga gacaggaaat gggmgaggaa gaggaagaaa 120
atgaaacctt tggattgagc agagaatatg aagaactgat caaattaaaa aggagtggct 180
ctattcaagc taaaaaccta aaaagcaagt ttgaaaaaat tggacagttg tctgaaaaag 240
aaatacagwa awaaatagaa gaagagcgag caagaaggag agcaattgac cttgaaatta 300
aagagcgaga agctgaaaaat tttcatgagg aagatgatgt tgatgttagg cctgcaagaa 360
aaagcgaggc tccatttact cacaaagtga atatgaaagc tagatttgaa caaatggcta 420
aggcaagaga agaagaagaa caaagaagaa ttgaagaaca aaagttacta cgcattgcagt 480
ttgaacaaag ggaaattgat gcagcactac aaaagaaaag agaagaggag gaggaggaag 540
aaggtagcat catgaatggc tccactgctg aagatgaaga gcaaaccaga tcaggagctc 600
catggttcaa gaagcctctt aaaaacacat cagttgtaga cagtgaagcca gtcagattta 660
cgggttaaagt aacaggagaa cccaaaccag aaattacatg gtgggttgaa ggagaaatac 720
tgcaggatgg agaagactat caatatattg aaaggggaga aacttactgc ctttacttac 780
cagaaacttt cccagaagat ggaggagagt atatgtgtaa agcagtcaac aataaaggat 840
ctgcagctag tacctgtatt cttaccattg aaagtaagaa ttaatcactc tttttatctt 900
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ttattccttt tcataacagt cttcaaagca cagctcatct aaagaatgcc tacttctttt 1140
ccaaataagc atcagattta tcgcctatta tgcagtaaca gtcaataaaa tgtacttatg 1200
ggggggaatt actcaattat tctatcagaa cctattataa agactgtatt tcccatagac 1260
gtttacagca actatgttta aaaaacaaaa acaaaaaaaa aacacacaaa cctaagtaga 1320
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acaccatttt gggtgtgtgta gtttcaaagt ctttctgaag cagatatatt gggattggag 1500
cggggtgggg aaaactgtca ctcccttcag aggaaaaggg gaggagcatg gagaaaaaca 1560
aaaattaaag gacttaaaga atggctatac agtggtgagt gttgaggata ttaaactatg 1620
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cactttcaac atagtcgaag gcttcaagat ctaagtgtat cagacttagg gaaaaagtgg 1800
cacaaccttc gatttaaaat tctagtcttt aaaatgagtt tgtaaataat tagctattac 1860
gttctattaa gttgttttat attttaattt tctggaagac aattttattt tacaacgtga 1920
acccaaataa agtaacttct gtatttaaaa gtcaaaa 1957

<210> 1671

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

1048

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (721)

<223> n equals a,t,g, or c

<400> 1671

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ttattattaa ttccagcagc atggggactg gtaccagtgg ttccctcaaaa gtgtgggacc 180
cggacccagc cagtgrgagc atcatctggg aacttggtta aaaaatgtaa attattaggt 240
cctaccttaa acctcctaaa tcacaagctt tgctttaaca agcaacctgc actttaaaca 300
aactctctag gtgattctgg tgcattgctaa agtttgagcy tcttataata ammtasaaac 360
tgtaccacaa ctgataatta tagtctcctt tagggataaa tcaattatta gttacaaatt 420
aggcaataaa aggcaaaata ctagagaaaa taaccaagag attaagtttc ttcacatatt 480
agtgaaaaaa agtaaaagaa attttatggg gaattwgaga tatacagaga attacattta 540
acattcacca taaaaagtaa agaacatttt atgggtgaatt tgagatatatac agagaattac 600
atttaacatt cactgatgtt tcatctgtca gtagaaagaa ggccgnaaga aaggatgatcc 660
caaactgggt aatgtcgagt aagaggaatg taaaatggca aaaccaggaa gcaaaaatta 720
ngaagcaaga gctgctctaa aggaaaagga aaagtctctt cactaacaca gaagagcgca 780
ggagctgcag ggccgggttaa tcaaccaccc agata 815

```

<210> 1672

<211> 832

<212> DNA

1049

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 1672

```

ttgcagggtac cgggtccggaa ttccccgggtc gacccacgcg tccgagggttn gaaggcgaga 60
tctgattctt caccctcac ccctgnccgg gctggtgaca ctgaaggcaa agactgggac 120
accaagggtc cagaactggc tcgtgcccc cttctgtgcgg catgagcagc gccccgcgc 180
sgggcccgcc gcccgccagc ctcacgtctt gggacgagga ggacttcmag ggccgtcgct 240
gtcggctgct aagcgactgt gcgaacgtct gcgagcgcg aggccctgcm aggggtcgct 300
cggtcaagggt ggaaaacggc gtttgggtgg cctttgagta cccgacttcc agggacagca 360
gttcattctg gagaaggag actatcctcg ctggagcgcc tggagtggca gcagcagcca 420
caacagcaac cagctgctgt ccttcggcc agtgctctgc gcgaaccaca atgacagccg 480
tgtgacactg tttgagggg acaacttcca aggctgcaag tttgacctcg ttgatgacta 540
cccatccctg ccctccatgg gctgggccag caaggatgtg ggttccctca aagtcagctc 600
cggagcgtgg gtggcctacc agtaccagg ctaccgaggc taccagtatg tgttgagcg 660
ggaccggcac agcggagagt tctgtactta cggtgagctc ggcacacagg cccacactgg 720
gcagctgcag tccatccgga gagtccagca ctaggctcca cggccccaga caccttcct 780
gaggacactc aataaaggtt cctgaatctt cctgccaaaa aaaaaaaaaa aa 832

```

<210> 1673

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1673

```

gcaagaagga cttctttggg aaatcagacc ccttccttgt gttctacagg agcaatgagg 60
atggcacgtt caccatctgc cacaagacag aggttgtgaa aaacacgctg aatcctgtgt 120
ggcagccctt cagcatccct gtgcgggctc tgtgcaatgg agactatgac agaacggtga 180
agattgatgt gtacgactgg gaccgggatg gaagccacga tttcattggt gagttcacca 240
ccagctaccg ggagctgagc aaggcccaga accagttcac agtatatgag gttcttaacc 300
ctcgggaagaa atgtaagaag aagaaatatg tcaactcagg aactgtgacg ctgctctcct 360
tctctgtgga cttctgaattc acttttggtg attacatcaa gggagggaca cagctgaact 420
tcacagtagc cattgacttc acggcttcca atgggaatcc tctgcagcct acctycctgc 480
actacatgag tccctaccag ctcagcgctt atgccatggc cctcaaggca gtgggagaga 540
tcattccagga ctatgacagt gataagctct tcccagctta tggctttggg g 591

```

<210> 1674

<211> 616

<212> DNA

<213> Homo sapiens

<400> 1674

1050

```

agttttatca tctgtaaaat ggagataagt attgtcagag taaacatgaa gattagaaag 60
aacacttaat gtgctgggccc ttttataggt taacactgac atctcaggct gaactatata 120
cattttcctt cacaaccata tcaatcctta taaactatgg atttatgctc cttaaaacaa 180
tatataatgc tgatcactac tataaatgcg tggttttaac caactgtact gaaacagctt 240
tgagtttata ttctgtttgg atatttgagg aaaacaacaa gtgctctcaa gagyayttgc 300
ttagaggccg gctgtgtgag tggataactt tgaaagctgc ttttgagacg ccagtgtctg 360
gcatttcctg cattctggcc tggaggcccg acgtgaatct gacttctagt aaaaatacac 420
ggttccttg acaaagtcga gctgtttatc ccagagactg cacaattttc cgttgatagg 480
catggaccaa tgctaactgg aaatcattgc aaaaagtttt tttgtcgggc ggaggggtgtg 540
gtgttaagat aaacagtgtg caacagaaga aattaaaact ggaagaaatt aaagggtttt 600
ttttagaaaa aaaaaa 616

```

<210> 1675

<211> 667

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (601)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (639)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (664)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (666)

<223> n equals a,t,g, or c

<400> 1675

```

aaaacgaggc agaacaggac gtgattttta acatttgctg ggctgtgcca cattcctctg 60
gcagtttagct cagaggaagc tcccttcgct ctggggaacg gttctgtgtc tcattgggtc 120
atttctcttg agctcttcgg cagtcaaatt tgcttttttg aaaacttaag ctggggggcg 180
ttgcaagtag taaatagagg agttggggtg ggggggggcg ttcaytatct aggtttgtta 240
ggggcctcac ggttttcggg tcggagaatc cactgcgtgc tctcctctt cccctggccc 300
ggactcccag cttcattgtg tcatcccgcc tgggggaaag caccacccgg gatcgtcagc 360
ccactccacg ccagcctagc ctgsaagtct cagaaaaaaa gcaaaactgg gagaaaatag 420
aagggtgtgag ggaggagtgc acccctaggc ccacccataa caaaaggctg ttattccgaa 480

```

1051

```

agggctgagg aaggttttaa aactgctcgc ccgagaaggg tggagcctac acacaggaaa 540
tgtcttaact gtcctctctt ggacaacgta aagtttttaa attttaaaaa aaatcaatgt 600
ncccttgat atttttacct tnataccctg tttcttaang gaaaatccct tcaaaagggg 660
taancnt 667

```

<210> 1676

<211> 831

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<400> 1676

```

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cagtaaatat atttgctttt taattcttgg ttagcagttg aaatggtgag tttcagaagg 120
ttaaaaagggt aattttgtct taagtgaata aaacaaatta ttataacagc atcttataaa 180
ttagggatcc caagctgatt tctaaacatt tctactgagt aaagaaatta taccaaatat 240
ttgattagct cattctattt aatttttgnt tttgntttgt atcatggatt aggtactaga 300
accacagaat gtcgacccct ctatggttca aatgaccttt ctagatgatg ttgkctactc 360
tttgttaaaa ggtgaaaata ttggcattac atcacgacgc aggtctcgtg ccaatcaaaa 420
cgtcaacgct gttcacagcc attatacacg tgcccaagca aatagtccca gaccagcaat 480
gaactcccaa gctgctgtac caaacagaa tacacaccag caacagcaac aaagaagtat 540
ccgtccaaat aagaggaagg gctcagatag cagtatacca gatgaagaka agatgaagga 600
ggaaaaatat gattatatat cacgaggaga aaatcctaaa ggtaaaaaca aacacttgat 660
gaataaaaga aggaaacctg aggaggatga aaagaaacta aatatgaaaa gacttcgaac 720
tgacaatgtt tcagactttt ctgagagcag tgactcagaa aattcaaata agagaataat 780
agataattcc tcagaacaga agccagagaa tgaawtgaaa aaaaaatact t 831

```

<210> 1677

<211> 1319

<212> DNA

<213> Homo sapiens

<400> 1677

```

ggctggcttc tgcgtgggtgc agctgcgcac gtgtttcagc cggcagcgct ttaagatttc 60
cggggatgga atccgaaatg gaaacgcaga gcgccrgggc agaggagggc tttaccaggg 120
tcacccgcaa ggtggccgac gggcgaagaa acgacaggct gaacagctgt ccgcagcagg 180
agagggcggg gatgcggggc gcatggacac agaggaggcc aggccggcga agaggcccgt 240
cttcccaccc ctctgtgggg acgggctcct gagtgggaaa gaagaaacaa ggaaaattcc 300
agtcccagct aacagataca caccattgaa agaaaactgg atgaagatat ttactcctat 360
tgtggaacat ttgggacttc agatacgctt taacttgaaa tcaaggaatg tagaaatcag 420
gacttgtaar gaaaccaagg atgttagtgc tctgacaaaa gcagctgatt ttgtgaaagc 480
ttttattctc ggctttcagg tggaggatgc acttgccctc atcaggttgg atgacctctt 540

```

1052

```

cctagagtct tttgaaatta cagatgttaa acccctaaag ggagaccatc tatccagggc 600
aataggaaga atcgctggca aaggaggaaa aaccaaattc accatagaga atgtgacacg 660
gacaaggata gttttggctg atgtgaaagt tcacatcctt ggctccttcc aaaatatcaa 720
gatggcaaga actgccattt gcaacctaata cttgggaaat cctccttcca aggtttatgg 780
caatattcga gctgtggcta gcagatcagc agatcgattc tgatttcaag tcagagactt 840
tttatcttgc ctttggactc tgggtgaaaaa tactttacag tggtcgggtca caagaaacca 900
tctgaacaat ttcagtcatt tgaagcctcc gtcccttctt ccattctcag ccagaagcat 960
aaacagaaaa gaaagattta agaggattca cactcaacag gttttaggat aatttaaata 1020
tcaaaaattg attgttatac ttacacatta ggtataattt atcatttatc tgaaatcaca 1080
tgtagcagat tgcatagtct gtaatcctct cagagggaaa cttcttggtt aaacagctct 1140
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ctttataaat tgtaatttaa tagattatct cagaaaaacc tctctgaatg atgaccttc 1260
cttaatactg ggtgatgtgt gaatatttgt ttgttggcag acagggtctc actttgtca 1319

```

<210> 1678

<211> 470

<212> DNA

<213> Homo sapiens

<400> 1678

```

gcatacacag gaatgtgtct tctaagatat gccactgatt acatgtgagt acctgagaga 60
gaagaaggcg aaggagaaga aactccaaat tttagccact ggggccacc gagaaattgtt 120
gagattttta gagaacccaa tgtgtcyctt gggatcagta ttgttggtgg acaaactgtt 180
ataaaacgtc taaagaatgg agaggagcct taaaggata ttcacaaac aagttttaga 240
agacagtcca gcagggaaga cgaacgcact taaaactgga gataaaatac ttgaggtgtc 300
tgtagtagat ttgcagaatg cctcacacag cgaagcagtt gaggccatta agaatgcagg 360
aaacctgtg gtgttcattg ttcagagttt gtcacccact ccacgagtca ttcctaattg 420
acataacaag gccacaacaaa tcaccggtta ccagaaccag gacacccaaa 470

```

<210> 1679

<211> 1126

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1120)

<223> n equals a,t,g, or c

<400> 1679

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aattcggcac gagtgacca ggagtcgacg tgtgcagaag tcctggtaat ctggtccttg 60
ttcccgctcg gataccagct tccttcagca gcgcaggcgg tggtcctga ggcccggtga 120
aggagtcaaa cttgcgggaa ttttgagtt tatctgcagg gctgttggtt ccagcaagac 180
ccaaagctag aaaaggagga ggaagaaact gacccgatca gtgccagaag tcattgtatt 240
caaagaagaa taagcaagaa agaaaagaag gaaggaagag aggtagacag atacaagatg 300
aaatcctgtc aaaaaatgga aggaaaacca gaaaatgaga gtgaaccaa gcatgaggaa 360
gagccaaagc ctgaggaaaa gccagaagag gaggagaagc tagaggagga ggccaaagca 420
aaaggaactt ttagagaaag gctgattcaa tctctccagg agtttaaga agatatacac 480
aacaggcatt taagcaatga agatatgttt agagaagtgg atgaaataga tgagataagg 540
agagtcagaa acaacttat agtgatgcgt tggaaagtta atcgaaacca tccttaccac 600
tatttaattg agtttacctt gatTTTTatc tgatattaac aataccatat agcttgcttt 660

```